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Volume 131 | JUNE 28, 1937 | Number 26

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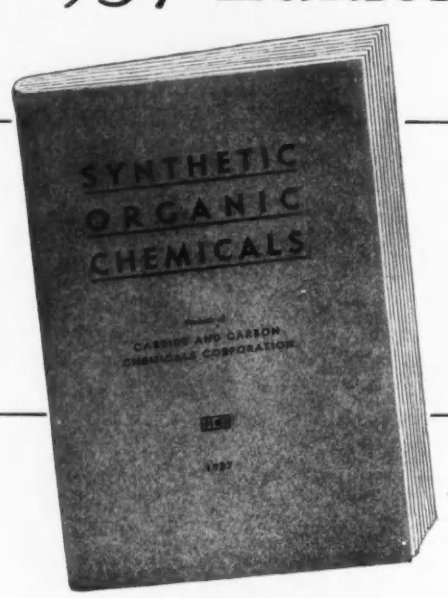

SPECIFICATIONS, properties and uses of over eighty organic chemicals are included in this 1937 Edition of "Synthetic Organic Chemicals". This booklet has become, through its eight editions, an interesting and useful industrial reference manual on aliphatic alcohols, amines, aldehydes, esters, chlorhydrocarbons, glycols, ketones and other chemical families.

The revised, 1937 Edition contains, in addition to a product index, a new application index to facilitate the finding of references to uses of chemicals in particular industries. A completely new chapter on "Vinylite"* resins describes the recent advances in these plastics. Among other valuable data added is a list of properties of nine new amines that have recently become available.

No effort has been spared to make the data authoritative and up-to-the-minute. Much of the information is based upon the wide experience of the technical staff of Carbide and Carbon Chemicals Corporation and can be obtained from no other source.

You can obtain your copy of the 1937 "Synthetic Organic Chemicals" immediately and without obligation by asking for it on your business stationery.

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 131 JUNE 28, 1937 Number 26

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Excise Taxes Are Prolonged to 1939

WASHINGTON, June 24.

The senate today passed the house resolution to continue for two more years the various Federal excise taxes which would have expired June 30, including those on gasoline, lubricating oils, and toilet articles.

The senate rejected an amendment approved by its finance committee, which would have continued the taxes for only one year and also defeated several attempts to change the rates and to include other tax provisions.

The bill now goes directly to President Roosevelt for signature.

Chemical Workers And Payrolls Off

May Employment, However, Is 11 Percent and Payrolls 29 Above 1936

Employment in factories engaged in the manufacture of chemicals and related products in the United States recorded a slight decrease from April 15 to May 15, 1937, a drop of 1.5 percent being reported by the Bureau of Labor Statistics. At the end of the monthly period employment stood 11 percent above the corresponding level for May, 1936. Payroll totals decreased .07 percent in the monthly period, but stood 29 percent above the May, 1936, level.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries, May 15, 1937, was 124.6 (100=1923-25 average), compared with 126.6 for April, and 111.8 for May, 1936. The bureau's index number (same basis) for payroll totals was 136.3 at May 15, 1937, compared with 136.4 for April, and 105.4 for May, 1936.

The bureau's general index numbers for all manufacturing industries, May 15, 1937, show the following comparisons:—

	May. 1937.	April. 1937.	May. 1936.
Employment	102.2	102.1	89.8
Payrolls	105.1	104.9	80.8

Employment in the chemical group of industries May 15, 1937, was 21 percent above the general average for all industries, and 38 percent above the general average for May, 1936. Payroll totals were 29 percent above the general average for all industries May 15, 1937, and 68 percent above the general average for May, 1936.

Detailed Comparisons

Details for the several divisions comprised in the calculation of the Bureau of Labor Statistics' May 15 index num-

(Continued on page 31)

Stevens Will Head Tariff Commission

WASHINGTON, June 22, 1937.

President Roosevelt today accepted the resignation of Robert Lincoln O'Brien from the United States Tariff Commission, effective June 30. Mr. O'Brien some time ago announced that he intended to vacate the post this Summer, although he had served but one year of his second six-year term. He was first appointed in December, 1931. The law requires that a Republican be appointed to this vacancy.

At the same time the President designated Raymond B. Stevens as chairman of the commission for the ensuing year, and Henry F. Grady as vice-chairman. Mr. Stevens returned to the commission June 17 after an absence of three months.

Drug Ad Control by F.T.C. Favored by House Committee

WASHINGTON, June 24, 1937.

The house committee on interstate and foreign commerce apparently is close to an agreement on the wording of Chairman Lea's bill to enlarge the powers of the Federal Trade Commission and give the commission jurisdiction over advertising of foods, drugs, cosmetics, and therapeutic devices.

By a vote of approximately two to one, the full committee has approved the recommendation of the subcommittee that the advertising provisions be removed from pending bills to rewrite the food and drugs act and be transferred to the Lea Federal Trade Commission bill. However, the committee has not yet agreed on the language of many provisions of the Lea bill, and after holding three sessions on the subject has postponed further consideration until the middle of next week.

It is expected that the Lea bill will eventually take the form of an amendment to the Wheeler bill (S. 1077) which has already passed the senate, and that practically all the language of the Wheeler bill will be stricken out and new language substituted. With the exception of the food and drug advertising provisions, which are entirely new, the general provisions of the Lea bill are similar to those of the Wheeler bill in giving the Federal Trade Commission power to take action against unfair or deceptive acts or practices in commerce and in making a large number of amendments to the commission's organic act designed to speed up the trial and appeal of cases.

If the Lea bill is passed by the house it will go to conference for the adjustment of differences made in the bill which the senate passed, so the question of giving the Federal Trade Commission jurisdiction over food and drug advertising, rather than placing it under the Food and Drug Administration, will not come to a vote in the senate until the conference report is presented.

Following action on the Lea bill the house committee may turn its attention to strengthening the food and drugs act as as provided in the Chapman bill (H. R. 300) or in the Copeland bill (S. 5) already approved by the senate, both of which have been pending before the committee for several months. Both these bills in their present form would give the Food and Drug Administration jurisdiction over advertising, but the house committee is apparently confirmed in its determination to place this power with the Federal Trade Commission. However, because of the lateness of the session, it is not altogether unlikely that the committee may decide to postpone consideration of further drug legislation until next Winter.

Philippine Relations Coast Hearing Set

The Joint Preparatory Committee on Philippine Affairs, pursuant to numerous requests that it hold public hearings on the Pacific coast so that interested parties in that region might present their views regarding the effects of existing legislation upon the commodities and services involved in the present economic relations between the United States and Philippines, has decided to hold hearings in San Francisco July 21 to 23. The address at which the hearings will be held will be announced later.

Persons wishing to appear before the committee in San Francisco are asked to submit statements of views in writing, and applications for supplementary oral presentation of views, not later than 12 o'clock noon, July 20. Until July 1, briefs and applications should be addressed to the Joint Preparatory Committee on Philippine Affairs, room 206, United States Tariff Commission, Eighth and E streets, Washington. Thereafter, they should be addressed to the Joint Preparatory Committee on Philippine Affairs, San Francisco Dis-

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'Bakelite' Held Bar to 'Beckacite' Registration

WASHINGTON, June 21, 1937.

The Bakelite Corporation, New York, has won all of a series of nine appeals brought to the United States Court of Customs and Patent Appeals by Beck, Koller & Co., Detroit, and involving trademark oppositions or cancellation proceedings in connection with various marks used by the two companies.

The Bakelite Corporation owns the trademark, "Bakelite," which it uses on condensation products of phenol and formaldehyde. Beck, Koller & Co. has sought to register the words, "Beckacite," "Beck-O-Lac," and "Beckolloid," for use on various synthetic resin products. In three of the cases the disputed mark was a design having a trefoil border and using the initials of the respective companies.

The court in each case sustained the Commissioner of Patents, who had found that Beck, Koller & Co. was not entitled to the registrations sought. The court agreed with the commissioner that, while the goods of the two companies were not identical, they were of the same descriptive properties, and

(Continued on page 31)

Lead, Zinc Pigment Sales: 1936

Sales of all lead and zinc pigments and zinc salts in the United States in 1936 increased 14 percent over 1935 in both value and tonnage, according to a report of the United States Bureau of Mines, reflecting the greater demand for paint, automobiles, pneumatic tires and storage batteries, all major pigment consuming industries. The total of sales for 1936 was 581,537 short tons, valued at $62,455,699, compared with 510,355 tons, valued at $54,888,755 in 1935.

Lead pigments again fared better than zinc pigments. Total sales of lead pigments increased 22 percent in value and 16 percent in quantity, whereas zinc pigments increased only 5 percent in total value and 13 percent in quantity. Producers of lead pigments received nearly $7 per ton more for their product in 1936 than in 1935, while zinc pigments brought $6 less per ton.

Comparison of the sales of the white lead pigments and zinc oxides to the paint trade in recent years reveals substantial gains in the use of leaded zinc oxide. In 1932, total sales amounted to 105,529 short tons of which white and sublimed lead accounted for 66 percent, zinc oxide 21 percent, and leaded zinc oxide only 13 percent. By 1936, total sales had increased to 194,792 tons, of which the lead pigments supplied 62 percent, zinc oxide 17 percent, and leaded zinc oxide 21 percent. For the same period the average lead content of the latter pigment increased from 23 to 27 percent and production nearly trebled.

Imports of lead pigments were negligible. Exports of white lead decreased from 2,337 tons in 1935 to 1,861 tons in 1936; those of red lead increased from 750 tons to 810 tons; and litharge from 1,280 tons to 1,386 tons. Imports of zinc oxide fell from 1,990 tons in 1935 to 789 tons in 1936; while those for lithopone

(Continued on page 28)

F.T.C. Started 291 Patman Act Probes

Twenty Two Complaints Issued As Result of 152 Searches Completed in Year

In a concise review of the first year of the Robinson-Patman act—this act was approved June 19, 1936—the Federal Trade Commission that, since the approval of the act it has conducted under the provisions thereof 291 investigations necessitating field work. It has got from its investigation division completed reports on the facts regarding alleged violations in 152 of these investigations. The reports in the remaining 139 cases are yet to be completed.

In the 152 investigations completed by the chief examiner's division and reported on to the commission, the commission has issued formal complaints in the case of twenty-two and closed ninety-eight; thirty-two are still awaiting disposition.

In forty-three of the ninety-eight matters closed, the commission found that no unlawful discrimination was apparent.

Twelve cases were closed because the parties complained of had changed their practices before the alleged violations had been completely investigated.

In fourteen cases the evidence failed to disclose that the differentials in price produced any unlawful effect upon competition.

Thirteen cases were closed because the practices complained of were unrelated to interstate transactions and concerned purely local matters.

Meeting Competition

In four cases it appeared from the facts that the sellers' prices to the particular customers were necessary to meet an equally low price made by a competitor of the sellers involved.

In two cases it appeared that the discriminations alleged related solely to advertising rates not connected with the sale of any goods, wares, or merchandise, and bore no relation thereto.

Several cases involving sales to the Federal government were closed following the giving of an opinion by the Attorney-General, holding that the Robinson-Patman act does not apply to such sales.

In one case involving the application of section 2 (c) of the act, the complainant alleged control of the broker by a buyer. It appeared from the facts developed on investigation that such control did not, in fact, exist.

One Complaint Terminated

Of twenty-two complaints issued by the commission, one has been terminated by voluntary action on the part of the respondent. In this case, the Procon Grocery Service Company, organized by some of the largest corporate chains engaged in the grocery business, was charged in a formal complaint with violating the provisions of section 2 (c) of the Robinson-Patman act, it being alleged that so-called "brokerage fees" were obtained from sellers and were paid in the form of patronage dividends to the stockholder buyers and other buyers associated with the Procon Company. Shortly after the issuance of this complaint, the Procon Grocery Service Company and its members expressed an intention to cease the practice and to that end surrendered the company's charter and certified to the commission that they had dissolved the corporation in the utmost good faith, and that they did not intend, as a group or individually, to organize any similar corporation or any unincorporated association to engage in the business practices described in the complaint. Thereupon the commission ordered this case closed without prejudice to the right of the commission, should the facts so warrant, to

(Continued on page 49)

Closing Market Developments

Aloin Tending Uuward

Curacao aloe was higher at 24c. to 25c. per pound minimum on spot. Because of the raw material situation, reports late Friday afternoon indicate that aloin was tending upward and in one important quarter the market was lowest at $1.65 per pound. In another direction, $1.50 was still quoted but with considerable reserve pending further unfolding of the situation.

Vanilla Beans Lower

A somewhat more competitive spot market brought quotations down to the basis of $4.25 to $4.50 per pound for Bourbons; Mexican, whole, $4.40 to $4.75; cuts, $4.25 to $4.50; South Americans, $4.25 to $4.50. Notwithstanding the lower quotations, the market was sensitive because of the fact that stock in France and Madagascar are vary small, and new crop Bourbons are from six to seven months away. On the decline, demand was said to have improved somewhat. A recovery of prices was considered to be not unlikely.

Sardine Meal Cheaper

Japanese sardine meal sold at $49.50 per ton for June-July shipment from abroad. This was a reduction of 50c. per ton.

Tin Salts Strong

The market for Straits tin noted a strong tone at the close of the week, reflecting an increase in price for Straits tin, which was listed at 57¼c. per pound. Anhydrous tetrachloride of tin was listed at 29c. per pound; soda stannate, 36½c. to 39½c. per pound, and tin crystals, 40½c. to 41c. per pound.

Rubbing Alcohol Must Contain Two Ketones

WASHINGTON, June 24, 1937.

The Treasury Department today ordered a change in the formula for rubbing alcohol, to be effective September 1. The change affects specially denatured alcohol formula No. 23-G, which at present calls for the addition of 10 gallons of acetone and 4¼ pounds of sucrose octa-acetate to 100 gallons of alcohol. The new formula calls for the addition of 3½ gallons of methylpropylketone and one-half gallon of methylisobutylketone to 100 gallons. In addition, the purchaser of the alcohol must add one-half avoirdupois ounce of sucrose octa-acetate per one gallon of finished product in the process of manufacturing rubbing alcohol, instead of the choice of additional materials now permitted.

The new formula is not expected to increase the cost of manufacturing rubbing alcohol, but treasury officials believe it will eliminate the diversion of rubbing alcohol to beverage purposes. The United States Public Health Service has tested the new formula on both animals and humans, and has reported that its action on the skin is similar to that of pure alcohol.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Antimony Oxide.—Uruguay has included oxide of antimony for use in manufacturing paints within the section of the raw materials schedule of the tariff, dutiable at 5 percent plus a surtax of 4 percent of a fixed customs valuation at 32 pesos per 100 gross kilos.

Barium Chloride:—Peru has created a new tariff item No. 1635-A for barium chloride for the electrolytic manufacture of hydrochloric acid, dutiable at 0.06 sol per gross kilo, as against a former duty of 0.50 sol per gross kilo.

Copper Sulphate:—Germany has prohibited the exportation, except under special license, of copper sulphate, including its mixtures with ferrous sulphate, because of a reported shortage of the material in Germany.

Cresol:—Germany has prohibited the exportation, except under special license, of cresol, because of a reported shortage of the material in Germany.

Explosives:—Siam now prohibits the importation and sale of explosives and fireworks except under license.

Ferrous Sulphate:—Netherlands Indies has decided that the quota restrictions on imports of ferrous sulphate, which expired April 19, will not be renewed.

Chemical Price Movement Dull

Few price changes were made in the markets for heavy and fine chemicals last week; none of these was substantial; only a few were notable. Business ran practically unchanged in aggregate volume and in distribution among various articles. Anticipatory buying was noticeable in the mineral acids which had been priced higher for the third quarter. Shortages of coaltar crudes became more stringent with the continued curtailment of operations in the steel industry; buying was bigger than immediate needs, and prices became firmer, that of creosote oil being particularly strong.

Prices were advanced on cadmium red and yellow lithopones, tricresyl phosphate, Batavia dammar, milk sugar, imported dried blood, and nitrate of soda for the third quarter. Prices were reduced on crude naphthalene, ester gum, bonedry, T. N., and superfine shellacs, and milk powder.

The REPORTER'S index number of prices for heavy and fine chemicals remained at 126.6 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.6, against 88.6 at this time last year.

Kerosene:—Paraguay now requires the entire amount of import duty on kerosene to be paid at the free market exchange rate, instead of only 30 percent at the free exchange rate and the balance at the official exchange rate as formerly.

Medicines:—British North Borneo has announced that patent medicines, which formerly were free of duty, are now dutiable at 10 percent ad valorem, regardless of source, while medicines, other than patent medicines, will remain free of duty.

Mineral and Alimentary Oils:—Morocco, French Zone, has increased the consumption taxes on imports of mineral and alimentary oils.

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Oil, Paint and Drug Reporter, Volume 131, No. 26, June 28, 1937. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 12 Gold Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Anderson Named Assistant Secretary of Merck & Co.

Carl M. Anderson has been appointed assistant secretary of Merck & Co., manufacturing chemist, Rahway, N. J. Mr. Anderson was graduated with honors from the University of Minnesota in 1927 and from the law school of that university in 1930. He is a member of the Phi Beta Kappa fraternity and of the student editorial board of the *Minnesota Law Revue.*

Carl M. Anderson

From 1930 to 1934 Mr. Anderson was associated with the New York law firm of Root, Clark, Buckner & Ballantine. Since that time he has been employed by Merck & Co. as legal counsel. He is chairman of the legislative committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, a member of the legislative committee of the American Drug Manufacturers' Association and a member of the advisory board to the New York State Commission of Health on Narcotic Control.

N.W.D.A. Convention Program Taking Shape

Plans for the business and entertainment program for the 1937 convention of the National Wholesale Druggists' Association, to be held at the Greenbrier hotel, White Sulphur Springs, W. Va., October 3 to 7, are assuming shape, according to E. L. Newcomb, executive vice-president. Officers of the association are giving attention to enlisting a number of outstanding men who may discuss current legislative and distributive problems.

DeSales Harrison, chairman of the committee on arrangements and entertainment, is completing plans for an oustanding program of entertainment.

Members are urged to make their hotel reservations, as in the past, direct with the Greenbrier, and also to plan on being represented by not more than six individuals from one firm, including the ladies. The usual registration fee of $10 will be made a part of the hotel bill.

Members who have in mind subjects they would like discussed at the sessions, or other matters that should be given attention by the officers prior to the convention, are requested to forward them to the New York office, 330 West Forty-second street.

Perfume Oils and Essences To Be Made in French Guinea

Commercial production of volatile oils and essences for use in the perfume industry is planned in French Guinea, according to information received by the Department of Commerce from the United States viceconsul at Paris. Hitherto, production of essential oils has been restricted to orange oil, the production of which has assumed substantial proportions.

According to a governmental decree issued at Labe, French Guinea, a company has been authorized to import three alembics, or stills, of 1,000 liters capacity, and one coil destined for the exclusive distillation of basic perfumery materials. Rigid provisions for the inspection of operations, and the prohibition of the use of the apparatus for other purposes were included in the decree.

Ethyl Acetate Sale At Retail Approved

WASHINGTON, June 24.

The Treasury Department today issued a decision permitting the sale of ethyl acetate through dealers in limited quantities. Heretofore ethyl acetate could be sold only by the producer to the consumer. The new regulation permits drug stores, paint dealers, and other retailers to stock limited quantities of ethyl acetate each month for sale to painters and other users in small quantities.

Barytes Production in 1936 Rose 26 Percent

Total mine production of crude barytes in the United States in 1936 aggregated 274,062 short tons, an increase of 26 percent over the 1935 output, according to a report of the United States Bureau of Mines. Total sales amounted to 283,160 tons, valued at $1,674,631, an increase of 26 percent in tonnage and 34 percent in value over 1935. Of the total sales, 57 percent, or 160,866 tons originated in Missouri. Of the total output, Missouri produced 155,063 tons, an increase of 31 percent over 1935. Other States producing crude barytes were California, Georgia, Nevada, Tennessee, and Virginia.

Imports of crude barytes for consumption in the United States in 1936 amounted to 33,843 short tons, valued at $170,316, a decrease of 28 percent in tonnage and 31 percent in value from 1935. Netherlands was by far the leading source of crude barytes in 1936 with 26,714 short tons, an increase of about 6,000 tons over 1935. Direct imports from Germany went to a new low of only 110 tons, having declined steadily from 41,117 tons in 1931. France, with 5,040 tons, was the second largest shipper of crude barytes to the United States. Spain, which in 1935 shipped 15,401 tons of barytes to this country, shipped only 22 tons in 1936. Exports of crude barytes were not recorded.

Total consumption of crude barytes in the United States in 1936 was 303,449 short tons compared with 290,344 tons in 1935.

The manufacturers of barium products and chemicals reported sales in 1936 totaling 263,810 short tons valued at $16,299,448, compared with 268,652 tons, valued at $16,858,413 in 1935.

Lead Output Advanced 25 Percent in 1936

The output of refined primary lead from domestic ore in the United States in 1936 amount to 387,698 short tons valued at $35,668,000, compared with 310,505 tons valued at $24,840,000 in 1935, according to the final report on the industry made by the United States Bureau of Mines.

The production of refined lead from foreign sources amounted to 11,458 tons, principally from Peru, Newfoundland, and Canada, compared with 14,055 tons in 1935. The total output of primary lead from domestic and foreign sources was thus 399,156 tons in 1936, compared with 324,560 tons in 1935. Of this output, 228,486 tons were of domestic desilverized lead in 1936, compared with 178,489 tons in 1935; 111,750 tons were of domestic soft lead in 1936, compared with 96,783 tons in 1935; and 47,462 tons were of domestic desilverized soft lead in 1936 compared with 35,233 tons in 1935.

Imports of lead as pigs, bars, and old metal in 1936 totaled 2,590 tons compared with 1,322 tons in 1935. Imports of lead in ore and matte were 20,713 tons in 1936 compared with 20,025 tons in 1935.

Exports of lead in 1936 amounted to 18,313 tons in 1936 compared with 6,976 tons in 1935.

Painter Licensing Compulsory

Both houses of the Wisconsin legislature have passed a bill strengthening the statute relating to the licensing of master and journeymen painters, making the licensing compulsory instead of optional as heretofore. The measure has become law by signature of the governor and official publication.

Coaltar Dyes and Chemicals Output Up 8 to 88 Percent

Production of 1936 Far Above Previous Year in All Divisions—Crude Naphthalene Makes Outstanding Increase

Production and sales of coaltar dyes and other synthetic organic chemicals in the United States in 1936 showed increases ranging all the way from 8 percent to 88 percent in comparison with 1935, according to the annual survey report issued by the United States Tariff Commission. Very large increases are recorded for the 1936 production in comparison with the average for the 1925-30 period.

Practically all groups of products showed substantial gains for 1936 over the preceding year. In several groups, such as intermediates, dyes, and synthetic resins, the activity in 1936 represents an all-time peak for the industry. Probably the outstanding increase occurred in the production of crude naphthalene, which rose from 47,653,372 pounds in 1935 to 89,536,202 pounds in 1936. Output of tar increased about 25 percent to 560,385,578 gallons, and the quantities distilled amounted to 322,284,912 gallons, or 16 percent more than in 1935. Coaltar intermediates totaled 509,705,955 pounds, or 16.7 percent more than in 1935. The output of dyes was 17 percent greater than in 1935 and totaled 119,233,551 pounds, of which 15,164,622 pounds were new and unclassified dyes. Synthetic medicinals, which in 1935 fell short of the previous year's output, showed an increase of 17 percent in 1936.

All of the divisions, except flavors and perfumes, showed very large gains over the 1925-30 period average, coaltar resins recording an advance of 375 percent.

The following tables give comparative statistics on production and sales in various divisions:—

Crude Coaltar Products[1]

Production and Sales, 1935 and 1936

	1935		1936	
Tar distilled[2]—	Gallons.	Value.	Gallons.	Value.
Oil-gas tar	1,911,650	$121,101	3,481,764	$211,325
Water-gas tar	30,115,339	1,210,422	26,662,899	1,097,143
Coal tar	244,516,809	10,687,397	292,140,249	14,867,487
Totals	276,543,798	$12,018,920	322,284,912	$16,175,955
Tar[3]—	1935.	1936.	1935.	1936.
Production, gals.	450,307,827	560,385,578	Sales value	[4]$403,785	[5]$1,293,114
Sales, gals.	308,705,919	358,182,759	Naphthalene, crude and refined[6]—		
Sales value	$12,597,705	$15,328,340	Production, pounds	47,653,372	89,536,202
Light oil and derivatives—			Sales, pounds	42,017,954	74,053,605
Crude light oil—			Sales value	$698,088	$1,466,467
Production, gals.	134,070,840	[5]170,234,202	Crude tar acids—		
Sales, gals.	12,327,539	[5]10,363,176	Production, gals.	[7]	[5]14,390,685
Sales value	$1,052,831	[5]$971,764	Sales, gals.	[7]	[5]1,330,715
Benzol (except motor benzol)—			Sales value	[7]	[5]$182,908
Production, gals.	24,106,006	[5]19,412,593	Creosote oil—		
Sales, gals.	23,029,543	[5]19,145,088	Production, gals.	92,869,152	101,758,256
Sales value	$2,975,658	[5]$2,675,932	Sales, gals.	86,706,628	93,215,599
Motor benzol[2]—			Sales value	$8,819,335	$10,294,159
Production, gals.	58,379,910	85,672,953	Tars, crude and refined[2]—		
Sales, gals.	57,542,312	84,761,655	Production, gals.	16,575,539	19,273,185
Sales value	$5,120,881	$7,628,935	Sales, gals.	15,179,905	18,584,715
Toluol, crude and refined—			Sales value	$1,208,093	$1,467,847
Production, gals.	17,776,551	[5]19,807,383	Tars, road[2]—		
Sales, gals.	17,648,286	[5]19,695,792	Production, gals.	112,038,763	140,759,387
Sales value	$4,929,219	[5]$5,403,424	Sales, gals.	110,612,482	140,367,418
Solvent naphtha—			Sales value	$9,253,333	$11,303,496
Production, gals.	4,970,842	[5]5,189,232	Other distillates[2]—		
Sales, gals.	4,742,388	[5]4,961,433	Production, gals.	15,251,053	16,219,231
Sales value	$985,124	[5]$916,505	Sales, gals.	7,462,852	6,766,387
Xylol[2]—			Sales value	$1,051,857	$1,057,100
Production, gals.	3,695,656	4,216,081	Pitch of tar—		
Sales, gals.	3,747,959	4,206,525	Production, tons	436,570	451,532
Sales value	$860,891	$1,121,032	Sales, tons	285,542	365,390
Other light oil products—			Sales value	$3,533,576	$4,597,213
Production, gals.	[6]6,812,455	[5]12,930,846	Pitch of tar coke[2]—		
Sales, gals.	[6]4,005,458	[5]7,803,655	Production, tons	80,020	91,229
			Sales, tons	74,970	74,6
			Sales value	$821,291	$849,336

[1] Data for coke ovens reporting to Bureau of Mines, and for tar refineries and others reporting to U. S. Tariff Commission, unless otherwise noted.
[2] Reporting to U. S. Tariff Commission only.
[3] Reported to Bureau of Mines only.
[4] Includes xylol and motor benzol reported to U. S. Tariff Commission.
[5] Includes other light oil products of Bureau of Mines and all of the light oil products reported to U. S. Tariff Commission.
[6] Includes crude and refined naphthalene reported to Bureau of Mines and crude naphthalene reported to U. S. Tariff Commission.
[7] Not publishable.
[8] Includes phenol and sodium phenolate reported to Bureau of Mines.

(Continued on page 32)

Ethics in Competition

By a Chemical Industrial Executive

As a corporation or a business is impersonal, it follows that ethics, in the ordinary sense of the word, involving morality, honesty, etc., does not strictly apply. Therefore, when we refer to ethics in competition, or in business, we must mean reasonableness. In turn, what is reasonable in business probably depends largely, if not entirely, on what is good for the industry as a whole, for the people of the country, or for the nation, as distinguished from what is good for the two parties involved, or, still more pointedly, for the good of one of the two parties involved to the detriment of the other.

Competition between business concerns shows up at so many points and in so many different ways that it is quite impossible to lay down any rules or make any guiding statements which will apply to cover every contingency. The principles which seem to determine the reasonableness of price-cutting by a manufacturer will not at all apply when it comes to cutting wage rates; nor will the reasonableness of entering an established market, well covered by existing manufacturers, be determined reasonable or unreasonable on the same grounds as will govern entering an existing market with a substitute product.

In my efforts to formulate some general principles—which efforts I will admit have failed—I have listed what seems to me the principal, if not all, points of competition between manufacturers in the chemical industry, where ethical considerations might apply. The list is as follows:—

1. Cutting prices
2. Substitute products
3. Entering established markets
4. Pricing by-products
5. Manufacturing raw material requirements.
6. Wage rates
7. Violating patents
8. Hiring competitors' employees.

I will give what seems to me the controlling measure of reasonableness in each of these kinds of contact, which I trust will be accepted as my personal views and not in any way committing others.

Cutting Prices

Cutting prices in order to get more of the going business from competitors, or in retaliation for some supposed overt act of a competitor, is certainly not reasonable; for it must incite a similar act on the part of the competitor, and either one of the two is in as good or as bad a position to stand the loss as the other. It seems equally clear

(Continued on page 65)

Drug Wholesaling In 1935 Recorded

Census Shows 2,004 Distributors Had Aggregate Net Sales Of $612,884,000

WASHINGTON, June 25, 1937.

There were 295 full-line and 1,709 specialty-line drug wholesalers in the United States in 1935. These 2,004 wholesale distributors had 31,298 full-time and part-time employees and paid them $50,553,000, of which $50,240,000 was received by full-time employees, characterizing the drug trade as typically one of full-time employment.

These facts were revealed by William L. Austin, director of the Bureau of the Census, in announcing publication of the special report of the census of business on drug wholesaling.

Employment is shown to have varied from a low of 98.0 percent in January to a high of 102.5 percent in December, a total spread of 4½ points. The difference between employment in consecutive months was always under 1 percent, with a consistently rising trend.

For census purposes, the wholesale drug trade includes all wholesalers who did more than 50 percent of their 1935 business in drug merchandise. Establishments are included that did some retailing when retail activities amounted to less than half the total business transacted. Each selling unit of multi-unit organizations is counted separately, although administrative offices of ownership groups and other nonselling units are not included. With these limitations, the wholesale drug trade is summarized as follows:—

Number of establishments	2,004
Net sales	$612,884,000
Active proprietors	952
Total employees (full-time and part-time)	31,298
Total payroll	$50,553,000
Total expenses (including payroll)	$105,020,000
Stocks on hand (at cost), December 31, 1935	$80,672,000

Full-Service Largest Group

The 2,004 establishments consist of 1,563 full-service and limited function wholesalers, 270 manufacturers' sale branches, 31 manufacturers' sales offices, and 140 agents and brokers.

Sales of $447,582,000 (73.5 percent of total drug sales) are shown for the 1,563 full-service and limited-function wholesalers. This major classification includes wholesale merchants, voluntary-group wholesalers, exporters, importers, mail-order wholesalers, retailer-cooperative warehouses, and wagon distributors. The wholesale merchant predominated, the report shows, accounting for 91.0 percent of the establishments and 91.7 percent of sales.

The co-operative groups, often referred to as mutuals, are the most important subtype, with thirty-three establishments doing $27,727,000 worth of business (6.2 percent of the total). Mail-order wholesalers and wagon distributors reported costs (mail-order, 19.5 percent, and wagon distributors, 27.9 percent) exceeding the 15.1 percent of wholesale merchants. The wholesale merchant is shown to be the lowest cost operator, except for the voluntary groups which offer fewer services to customers.

The 270 manufacturers' sales branches (with stocks) had sales of $128,468,000, or 21.0 percent of the total, and costs equal to 26.5 percent of sales. Branches without stocks for delivery consist of thirty-one establishments, with sales of

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Britain Plans Larger Export Guaranty Fund

WASHINGTON, June 23, 1937.

A bill to increase the British government's export guaranty fund from £26,000,000 to £50,000,000 has been introduced in the House of Commons, according to information received from London by the Department of Commerce.

The export guaranty fund was instituted in 1922 as a means of encouraging export trade, and it serves as an insurance system for British exporters who find it impossible to make collections on exports. The authority administering the fund makes investigations of the credit risks involved in selling to individuals and organizations in foreign countries, and is permitted to guarantee up to 80 percent of collections, the Department of Commerce explains. The new bill would increase the total amount available for outstanding guaranties at any one time.

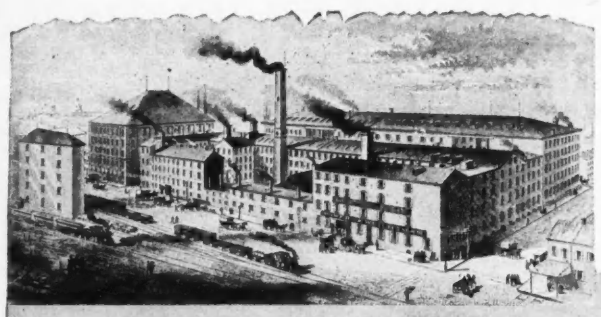
A Guaranty of MERCK Purity & Reliability

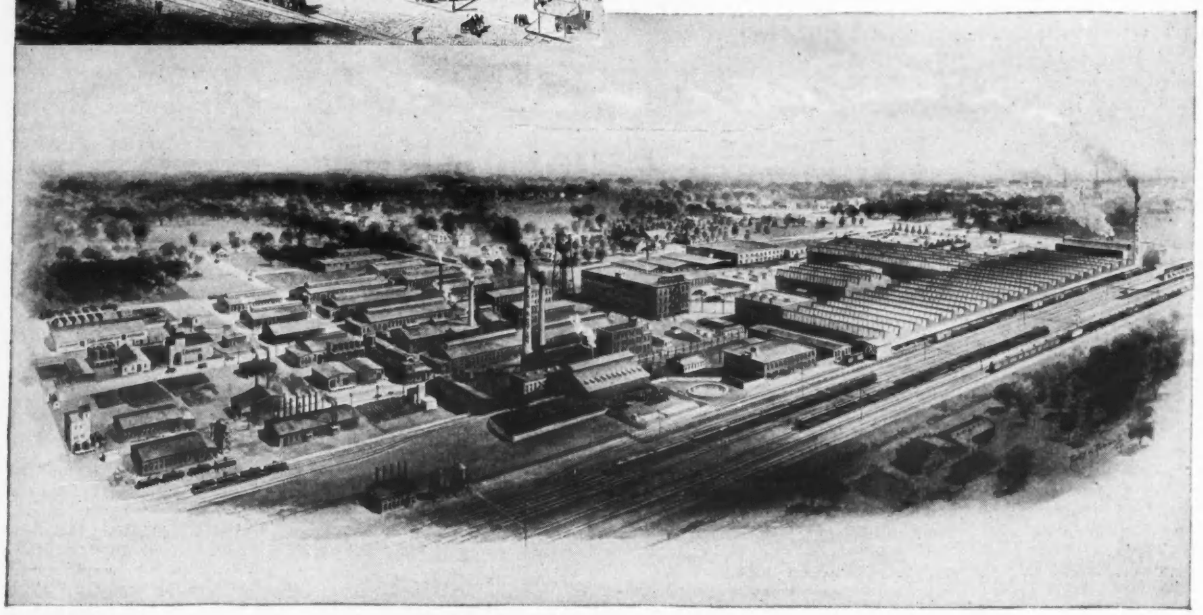
Merck Quinine Sulfate

One hundred and fourteen years ago the firm of Powers & Weightman, later merged with Merck & Co., began the manufacture of Quinine Sulfate. Ever since that time an increasing number of pharmaceutical manufacturers have standardized on the first "Made in America" quinine, and today Merck Quinine Sulfate U. S. P. is a leader in the field.

This preference of the Merck brand by discriminating customers is due to the uniform purity and efficacy of the product; and these two important factors are the result of long manufacturing experience and rigid laboratory control.

Merck Quinine Sulfate is available in several different densities, all standardized, for capsulating. In accordance with the interpretation of the Pure Food and Drugs Act, the improved U. S. P. XI product will be supplied on all unspecified orders. The U. S. P. X product, regular and bulky, is available on specification. Write us regarding your manufacturing problems and requirements.





MERCK & CO. Inc. **Manufacturing Chemists** **RAHWAY, New Jersey**

NEW YORK PHILADELPHIA ST. LOUIS ★ In Canada: Merck & Co. Ltd. MONTREAL and TORONTO

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works....lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works..lb. .43 - —
smaller lots, works....lb. .48 - 1.00
tech., kegs, c.l., works....lb. .32 - —
l.c.l., 1,000 lbs., works..lb. .38 - —
smaller lots, works....lb. .48 - .75
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls., 1,000 lbs....lb. .25 - —
smaller lots....lb. .26 - —
kegs, 1,000 lbs....lb. .26 - —
smaller lots....lb. .27 - —
Acetin, tech., dms....lb. .33 - —
Acetoacetanilide, dms....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd....lb. .06½- —
tanks, dlvd....lb. .05 - —
Methyl (see M)
Acetophenone, bots....lb. 1.30 - 1.45
cns., 25 lbs....lb. 1.15 - 1.25
dms., 100 lbs....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg....lb. 1.35 - —
smaller pkgs....lb. 1.32 - 1.40
Acid, abietic, bbls., c.l....lb. .09¾- —
l.c.l. ....lb. .10 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.53 - 2.78
cbys. ....100 lbs. 3.03 - 3.28
56%, bbls....100 lbs. 4.75 - 5.00
cbys. ....100 lbs. 5.25 - 5.50
70%, bbls....100 lbs. 5.92 - 6.17
cbys. ....100 lbs. 6.40 - 6.65
80%, bbls....100 lbs. 6.74 - 6.99
cbys. ....100 lbs. 7.24 - 7.49
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 8.70 - 8.95
cbys. ....100 lbs. 9.20 - 9.45
syn., al. dms., c.l.100 lbs. 8.70 - 8.95
cbys. ....100 lbs. 9.20 - 9.45
USP, reagent, 99.8%, al. dms..100 lbs.10.75 -11.00
cbys. ....100 lbs.13.75 -14.00
pure, 80%, bbls., c.l..100 lbs. 3.60 - 3.85
cbys. ....100 lbs. 4.10 - 4.35
36%, bbls., c.l....100 lbs. 4.05 - 4.25
cbys. ....100 lbs. 4.55 - 4.80
60%, bbls., c.l....100 lbs. 6.79 - 7.04
cbys. ....100 lbs. 7.29 - 7.54
80%, bbls., c.l....100 lbs. 8.53 - 9.08
cbys. ....100 lbs. 9.03 - 9.28

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass, N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l..lb. .13 - —
l.c.l., dms., cbys....lb. .14 - .15
Acetylsalicylic, USP, bbls. 225 lbs..lb. .50 - —
boxes, 25 lbs....lb. .51 - —
kegs, 100 lbs....lb. .50 - —
Anthranilic, refd., bbls....lb. .85 - .90
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Battery, cbys, c.l. E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .60
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
900 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd....ton.110.00 - —
l.c.l., ex whse....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd....ton.100.00 - —
l.c.l., ex whse....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd....ton.115.00 - —
l.c.l., ex whse....ton.120.00 -125.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd....ton.105.00 - —
l.c.l., ex whse....ton.110.00 -125.00

USP., $25 per ton higher.

Broenner's bbls....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Camphoric, cans....lb. 5.50 - 5.70
Capric, dms....lb. .19½- .20
Caproic, cans....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms....lb. .16 - .16½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5 drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y. lb. .1475- .1675
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., bbls....lb. .25 - —
kegs....lb. .25½- —
gran., bbls....lb. .25 - —
kegs....lb. .25½- —
powd., bbls....lb. .25½- —
anhyd., gran., dms....lb. .27½- —
powd., dms....lb. .28 - —

Prices on citric acid are f.o.b. N. Y.; Chicago and St. Louis deliveries are ½c. higher than N. Y.

Acid, cleve's, bbls....lb. .50 - —
Cottonseed oil, dms....lb. .09½- .10¾
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis....gal. .91 - —
low-boil, dms., c.l., works, frt. equaled..gal. .92 - —
l.c.l., same basis....gal. .94 - —
imported pale, 97-99, dms..gal. 1.00 Nom.
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis....lb. .11¼- —
Crotonic, dms., works....lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l. ....lb. .11 - —
l.c.l., 25 and over....lb. .1150- —
1-24 ....lb. .12 - —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over....lb. .1235- —
1-24 ....lb. .1285- —
southern territory, cbys., c.l. lb. .1220- .1290
l.c.l., 25 and over....lb. .1270- .1340
1-24 ....lb. .1320- .1390
Fumaric, bbls....lb. .60 - —
Furoic, tech., fib. ctns., 100 lbs., works..lb. .35 - —
smaller lots, works....lb. .45 - —
Gallic, tech., bbls....lb. .65 - .68
N.F., VI, bbls....lb. .77 - .80
Gamma, bbls....lb. .65 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls....lb. .50 - .55
Hempseed oil, dms....lb. .1180-.1225
Hydriodic, 47%, bots....lb. 2.20 - 2.25
57%, bots....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .07 - .0750
lead, cbys....lb. .09 - .0950
48%, lead cbys....lb. .1150- .12
52%, lead cbys....lb. .1250- .13
60%, lead cbys....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11¼
plastic grade....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys ....lb. .21¼- .22½
USP, X, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Laurent's, bbls....lb. .45 - —
Linseed oil, dark or light, dms..lb. .1310- .1350
tanks ....lb. .1250- —
extra white, dms....lb. .1125- .1175
split, dms....lb. .0950- .1060
Maleic, powd., dms....lb. .30 - .40
anhydride, dms....lb. .33 - .43
Malic, powd., kegs....lb. .45 - .60
Mandelic, bots....lb. 3.00 - —
fib. dms....lb. 2.65 - 2.75
Mixed, tanks, nitric unit....lb. .06½- .07½
sulphuric unit....lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .16 - .17
99%, bbls....lb. .18 - .19
Monosulphonic, bbls....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
C.P., dealers, cbys....lb. .05½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .06½- —
6-lb. bots....lb. .18½- —
Myristic, dms....lb. .14¾- .16
white, redist., dms....lb. .15¾- .16½
Naphthenic, S.V. 120-200, dms, lb. .07 Nom.
210-230, dms....lb. .09 Nom.
240-280, dms....lb. .10 Nom.
sludges, dms....lb. .05 Nom.
Neville & Winther's, bbls....lb. .85 - .97
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
Acid, nitric, 40°, l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., dealers, cbys....lb. .10½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .11½- —
7-lb. bots....lb. .22½- —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palm oil, dms....lb. .08¾- .09¼
Phenylacetic, bots....lb. 2.00 - 2.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 70 lbs...lb. .12 - —
djns., 25 lbs. ....lb. .15 - —
50% s.q., 1847, cbys., 70 lbs. lb. .12 - —
djns., 25 lbs. ....lb. .15 - —
10%, dilut., cbys, djns..lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionic, ref., cbys., works. lb. .25 - —
dms., works....lb. .22 - —
tech., cbys., works....lb. .20 - —
dms., works....lb. .16 - —
Pyrogallic, tech., lump, powd., bbls..lb. .90 - —
cns. ....lb. .95 - —
USP, cryst., cns....lb. 1.55 - 1.60
resubl., cns....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, dms....lb. .38 - —
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works....lb. .37 - .41
Soybean oil, dist., dms....lb. .10½- .11½
Stearic, distil., double pressed, bgs., dlvd..lb. .12½- .13½
single pressed, bgs., dlvd.lb. .12 - .13
triple pressed, bgs., dlvd.lb. .15¼- .16¼
saponif., double pressed bgs., dlvd..lb.12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works....ton.16.50 - —
98%, tanks, works....ton.17.50 - —
C.P., dealers, cbys....lb. .05½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .06½- —
9-lb. bots....lb. .16½- —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls....lb. .26 - .32
USP, fluffy, bbls., 1,000 lbs. lb. .78 - —
smaller lots....lb. .80 - —
powd., bbls., 1,000 lbs....lb. .68 - —
smaller lots....lb. .70 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .23¾- —
smaller quantities....lb. .24¼- —
kgs. ....lb. .24¾- —
Tobias, bbls....lb. .65 - —
Trichloroacetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs....lb. 3.00 - —
tech., kgs....lb. 2.75 - —
Aconite leaves, bls....lb. .22 - .24
Root, bls....lb. .30 - .32
Aconitine, amorph., bots....oz.17.00 -18.00
vls. ....gr. .06 - .09
cryst., bots....oz.30.00 - —
vls. ....gr. .09 - .11
Adeps, lanae, anhyd., dms....lb. .17½- .19
hyd., dms....lb. .16 - .18
Agar, 1, bls....lb. 1.15 - 1.20
2, bls....lb. 1.05 Nom.
3, bls....lb. .85 - .90
Agaric, white, bls....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .11 - —
l.c.l., bgs., Chicago....lb. .13 - .15
pow'd, grnle A, Chicago, ton lots..lb. .15 - —
smaller lots, Chicago....lb. .18 - —
light, dom., flake, dms, Chicago..lb. .52 - .60
import, bgs....lb. .50 - —
Egg, ed., dom., bbls....lb. 1.05 - —
import, cs....lb. .76 - .77
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld....lb. .143 - —
tanks, frt. alld....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms....lb. .10 - —
tanks, same terms....lb. .08½- —
Benzyl, cans....lb. .70 - —
drums ....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt., alld....lb. .10½- —
tanks, frt., alld....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —
l.c.l., same terms....lb. .08¼- —
tanks, same terms....lb. .07 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works....lb. .85 - —

Acacia—Alumina Acetate

Alcohol, cetyl., dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs. ....lb. 1.70 - —
100 lbs. ....lb. 1.80 - —
25 lbs. ....lb. 1.90 - —
5 lbs. ....lb. 2.00 - —
coml., dms....lb. .95 - —
import, 85%, dms., 100 lbs.lb. .55 - —
5 to 10 lbs....lb. .75 - —
coml., dms., 350 lbs....lb. .45 - —
Cinnamic, bots....lb. 2.50 - 3.50
Denatured, CD11, dms., c.l., works, E. frt. equal....gal. .35 - —
20 dms., East....gal. .37 - —
1-10 dms., East....gal. .40 - —
tanks, East....gal. .29 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit

SD1, 190 pf., bbls., c.l., E. works..gal. .34 - —
19 bbls., E. works...gal. .36 - —
1 to 18 bbls., E. works, gal. .39 - —
dms., c.l., E. works....gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms., E. works, gal. .38 - —
tanks, E. works....gal. .27 - —

Anhydrous, 5c. per gal. higher.

Special solvent, dms., c.l., E. works..gal. .34 - —
20 dms., E. works...gal. .36 - —
1 to 19 dms., E. works, gal. .39 - —
tanks, E. works....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld....lb. .14 - —
tech., contract, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld....lb. .13 - —
Ethyl, 190 pf., ex molasses, bbls. c.l—gal. 4.13 - —
19 bbls....gal. 4.15 - —
1 to 18 bbls....gal. 4.18 - —
dms., c.l....gal. 4.12 - —
19 dms....gal. 4.14 - —
1 to 18 dms....gal. 4.17 - —
tanks ....gal. 4.06 - —
absolute, dms. ....gal. 4.04 - 6.08½

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky mts.lb. .12 - —
l.c.l., same terms....lb. .12½- —
tanks, same terms....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd. ....lb. .27 - —
cans, works....lb. .32 - —
Isobutyl, refd., dms., c.l. works, frt. alld. E. of Rockies.lb. .09¼- —
l.c.l., same terms....lb. .10 - —
tanks, same terms....lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld....gal. .33 - —
refd., 91% dms., c.l., f.o.b. dest. ....gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
98%, dms., c.l., same terms, gal. .44½- —
l.c.l., same terms....gal. .49¼- —
tanks, same terms....gal. .39½- —
tech., 91%, dms., c.l., same terms..gal. .35 - —
l.c.l., same terms....gal. .40 - —
tanks, same terms....gal. .30 - —
98%, dms., c.l., same terms, gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
Methyl (see Methanol)
Phenylethyl, bots., cns....lb. 2.50 - 2.75
Propyl (see Isopropyl)
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works....lb. .25 - —
Aletris root, bgs....lb. .30 - .31
Alizarin (see Red, alizarin).
Alkanet root, bgs....lb. .10 - .11
Aloe, Barbados, true, cs....lb. .85 - .90
Cape, cs....lb. .19 - .20
Curacao, cs....lb. .24 - .25
gourds, bbls....lb. .50 - .55
Socotrine, kgs....lb. .32 - .33
Aloin, bbls., cns....lb. 1.50 - 1.65
Alphanaphthol, bbls....lb. .32 - —
Alphanaphthylamine, bbls....lb. .32 - —
Althea root, cube cut, bls....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. lb. .16 - .17
gran., bbls., works....100 lbs. 2.75 - 3.00
dlvd. N.Y., Phila...100 lbs. 2.90 - —
lump, bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
powd., bbls., works...100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

potash, gran., bbls., works. 100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works...100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila...100 lbs. 3.55 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls....lb. .07 - .07½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd....100 lbs. 4.25 - 6.00
Alumina acetate, CP, 20% solut., bbls..lb. .09 - .10

Alumina Chlor.—Amyl Butyrate

Alumina chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works.....lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .13 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equaid.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equaid 100 lbs. 1.55 - —
l.c.l., works, frt. equaid. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckload, dlvd, met. N.Y. 100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
Alumina, sulphate, iron-free, bgs., truckload, 5 to 9, dlvd. met. N.Y..100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.50 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .65 - —
On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c on 200-399 lbs.; 10c on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
Aluminum, paste, standard, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55½- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis. lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .42½- —
5,000 lbs., same basis..lb. .43 - —
2,000 lbs., single shipt., same basis..lb. .44 - —
split shipts. (see note fine lining paste).
Aluminum, powder, litho, wall-paper, dms., 5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs., same basis..lb. .36½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)
Ambergris, gray, tins.....oz.17.00 -35.00
Amidopyrene, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content)...lb. .04½- —
tankwagons .....lb. .02 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls..lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal)
USP, gran., bbls.....lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .10 - —
Perchlorate, kgs.....lb. .16 - —
Phosphate, dibasic, N.F.V., bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l..... .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 11-13 mos. June-Oct., ton..26.50 - —
Nov.-Dec. .....ton.27.00 - —
Jan.-June 1938.....ton.27.50 - —

Ammonia sulphate contracts any 6-10 mos., through June 1938, $1 per ton additional; contracts any 1-5 mos., through June 1938 $2 per ton additional; spot prices $2 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.

Ammonia sulphide, liquid, 35-40%, basis 100%, dms., works, lb. .12 - .15
tanks, delvd .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - .0670
white, gran., dom., bbls., contracts, works.100 lbs. 5.00 - 5.05
import, csks .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt., alld.....lb. .12 - —
tanks, works .....lb. .10½- —
ex pentane, dms., frt. alld., lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —

"The Spirit of the Nation"

Did Our Independence Begin on JULY 4?

The formal Declaration of Independence, drawn by Thomas Jefferson, had been presented to Congress on June 28 and was adopted on the afternoon of July 4. But most signatures to it were not made until August 2. Meanwhile the personnel of Congress had undergone changes. Seven who signed the Declaration had not been members of Congress on July 4 and seven who had been members then did not sign it at all. There is no authenticated historical record of any outburst of celebrations in Philadelphia on July 4. The official celebration was on July 8 and on that date, rather than on July 4, the Liberty Bell was rung. No boy signalled to his grandpa to "ring the bell" on July 4, or later.

Incidentally, the Declaration is usually misquoted. It does not say all men are "free and equal" but "that all men are created equal."

But regardless of dates and incidental misapprehensions, what other American document so completely represents the spirit of the nation?

♦♦♦♦ Science and industry today look to the name of Rossville—"the Spirit of the Nation"—for the finest alcohols the world has ever produced. Write for complete details about the type of Rossville Alcohol best suited for your particular purpose.

WHY didn't July 2 become American Independence Day instead of July 4? Maybe the real start of our independence was on June 7, 1775, when Richard Henry Lee of Virginia, in the Continental Congress, moved the adoption of a resolution which declared: "That these United Colonies are, and of a right ought to be free and independent states, that they are absolved from all allegiance to the British Crown, and that all political connection between them and the state of Great Britain, is, and ought to be, totally dissolved."

This resolution, seconded by John Adams, was adopted on July 2. The next day, Adams wrote to his wife: "Yesterday the greatest question was decided which ever was debated in America. But the day is past—the *second* day of July, 1776 will be the most memorable epoch in the history of America. I am apt to believe it will be celebrated by succeeding generations as the great anniversary festival."

COMMERCIAL SOLVENTS CORPORATION
TERRE HAUTE, INDIANA
DISTILLERS OF
FINE ROSSVILLE ALCOHOLS · "THE SPIRIT OF THE NATION"
BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

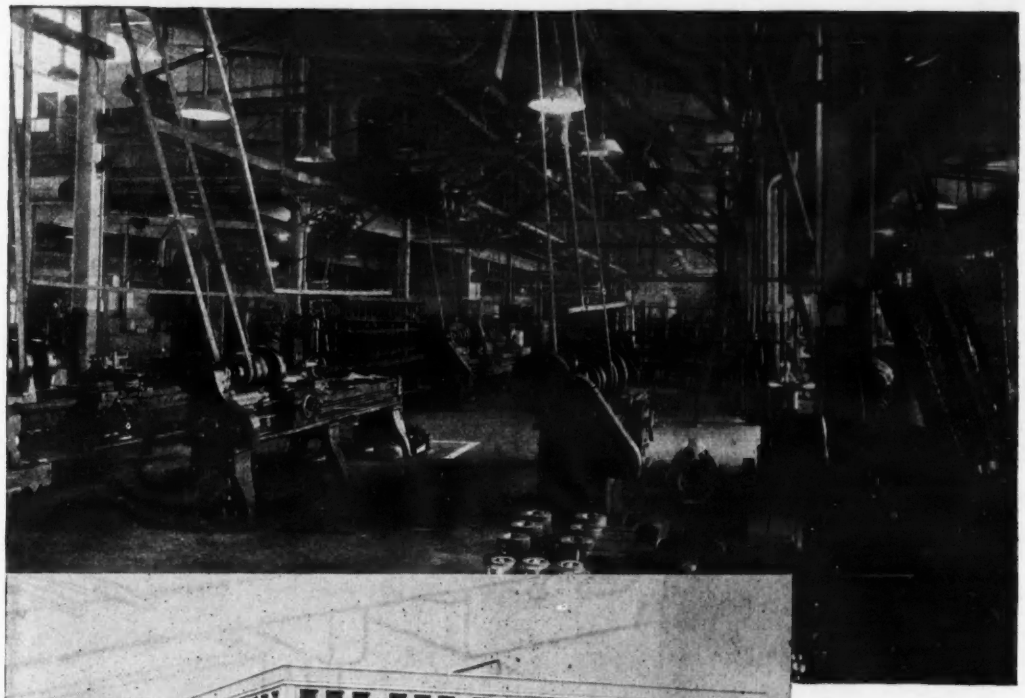
Amyl, caproate, cns.	lb.	2.75	—
Chloride, normal, dms., works, lb.		.56	—
small lots, works	lb.	.68	—
mixed, tech., dms., c.l., works	lb.	.07	—
l.c.l., works	lb.	.077	—
tanks, works	lb.	.06	—
Nitrite, bots.	lb.	1.80	1.85
Mercaptan, dms., l.c.l., works.	lb.	1.10	—
Oleate, dms., l.c.l., works.	lb.	.25	—
Salicylate, bots, 5 lbs.	lb.	.61	—
cns., 25 lbs.	lb.	.51	—
Stearate, dms., l.c.l. works.	lb.	.26	—
Amylene, dms., c.l., works.	lb.	.102	—
l.c.l., works	lb.	.11	—
tanks, works	lb.	.09	—
Anethol, bots	lb.	1.15	1.20
Angelica root, dom., bls.	lb.	.23	.25
import, natural, bls.	lb.	.28	.30
twisted, bls.	lb.	.30	.40
Angostura bark, bls.	lb.	.35	.36
Anilin oil, dms.	lb.	.15	.16
tanks	lb.	.14½	—
Salt, dms., works	lb.	.22	.24
Anise, Spanish, bgs.	lb.	.12	.12½
Star, bgs.	lb.	.12	.12½
Anisic aldehyde, bots.	lb.	3.00	3.10
Annatto paste, bxs.	lb.	.34	.37
Seed, bgs.	lb.	.07½	.08½
Anthraquinone, 99.5%, subl., bbls.	lb.	.65	—
Antimony, butter (see Antimony chloride).			
Chloride, solut., cbys.	lb.	.17	—
Metal, dom.		.14¾	—
Chinese, duty paid.		.14¾	—
Needle, powd., bbls.	lb.	.17½	.19½
Oxide, dom., bbls., c.l.	lb.	.16½	Nom.
l.c.l.	lb.	.16¾	Nom.
import, bbls.	lb.	.16¾	Nom.
Salts, 65%, kgs.	lb.	.23¾	.24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c.	lb.	.11½	.14¼
Antipyrene, bbls., kgs., ton lots,	lb.	2.00	—
smaller lots.	lb.	2.10	2.15
Apomorphine, bots.	oz.	23.20	23.70
Archil extract, conc., bbls.	lb.	.21	.27
double, bbls.	lb.	.18	.20
triple, bbls.	lb.	.18	.20
Areca nuts, powd., bbls.	lb.	.10	.12
Arecoline hydrobromide, bots.,	oz.	5.50	6.50
Argols, pure, 100%, csks. 100 kilos.		27.50	—
Arnica flowers, bls.	lb.	.28	.30
Root, bls.	lb.	.38	.40
Arrowroot, St. Vincent, powd., bgs.	lb.	.08¾	.08¾
bbls.	lb.	.08½	.09
Arsenic iodide (arsenous), 5 lb. bots.	lb.	5.15	—
jars	lb.	5.00	—
Metal, lump, cs.	lb.	.42	.43
Red, import, cs.	lb.	.15¾	.16¼
Trioxide (see Acid, arsenous).			
White, powd., kgs., c.l.	lb.	.03	—
l.c.l.	lb.	.03¾	—
Arsenous chloride, cns.	lb.	4.85	—
Asafetida, cs.	lb.	.18	.19
powd., bbls., bxs.	lb.	.32	.35
Asbestine (see Talc, N. Y. fibrous).			
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. inmes.	ton.	37.50	—
5R, bgs., c.l. (20 tons), Canad. mines	ton.	35.00	—
6D, bgs., c.l. (30 tons), Canad. mines.	ton.	27.00	—
7D, bgs., c.l. (30 tons), Canad. mines.	ton.	23.00	—
7F, bgs., c.l. (30 tons), Canad. mines.	ton.	21.00	—
7H, bgs., c.l. (30 tons), Canad. mines.	ton.	17.00	—
7K, bgs., c.l. (30 tons), Canad. mines	ton.	14.50	—
7M, bgs., c.l. (30 tons), Canad. mines.	ton.	12.00	—
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.	lb.	.02½	—
smaller lots, f.o.b. N. Y.	lb.	.03½	—
AA, bgs., 20 tons, f.o.b. N.Y.,	lb.	.08½	—
smaller lots, f.o.b. N. Y.	lb.	.10½	—
California, dms., c.l., f.o.b. N.Y.	ton.	29.00	—
l.c.l., f.o.b. N. Y.	ton.	36.50	—
Cuban A, bgs., c.l., f.o.b. N. Y.	ton.	60.00	—
l.c.l., f.o.b. N. Y.	ton.	90.00	—
B, bgs., c.l., f.o.b. N. Y.	ton.	35.00	—
l.c.l., f.o.b. N. Y.	ton.	55.00	—
Egyptian, bgs., c.l., f.o.b. N.Y.	lb.	.12	—
l.c.l., f.o.b. N. Y.	lb.	.15	—
Gilsonite, brilliant black, bgs., c.l., Western shipt. points,	ton.	32.00	—
seconds, bgs., c.l., Western shipt. points	ton.	25.50	—
selects, bgs., c.l., Western shipt. points.	ton.	30.50	—
l.c.l., f.o.b., N. J. or N. Y., whse.	ton.	49.50	—
Jet, bgs., c.l., Western shipping points.	ton.	30.50	—
Maltha, dms., c.l., f.o.b. N.Y.	ton.	29.00	—
l.c.l., f.o.b. N. Y.	ton.	36.50	—
Manjak (see Asphaltum, Barbados).			
Mexican, Texas, dms., c.l., refinery.	ton.	19.00	—
l.c.l., refinery	ton.	21.00	—
tanks, refinery	ton.	16.00	—
Petroleum cut-back, bbls., l.c.l., E. cst., refinery.	gal.	.13	—
dms., c.l., E. cst., refinery,	gal.	.12	—
tanks, Calif., refinery	ton.	12.50	14.00
East Coast, refinery	gal.	.06	.06½
Ill., Ind., refinery	gal.	.06½	—
N. Orleans refinery	gal.	.06	—
Wyo., refinery	gal.	.07½	—
Atropine, bots.	oz.	5.25	5.80
Sulphate, bots.	oz.	2.90	3.55
cns.	oz.	2.85	—

B

Balm of Gilead buds, bgs.	lb.	.38	.40
Barberry bark, bgs.	lb.	.10	.11
Root bark, bls.	lb.	.14	.15
Barbital, cs.	lb.	3.25	3.30
Barium carbonate, natural, 99%, grd., bgs., c.l., works.	ton.	44.00	—
99%, 200 mesh, bgs., c.l., works.	ton.	47.00	—
precip., bgs., c.l., works.	ton.	52.50	—
bbls., works.	ton.	57.50	—
l.c.l., bgs., works.	ton.	57.50	—
bbls., works.	ton.	62.50	—
sulphur-free bgs., bbls., c.l., works.	ton.	57.50	62.50
Chlorate, kgs.	lb.	.16½	.17½
Chloride, C.P., cryst., bbls.	lb.	.19	—
dms.	lb.	.20	—
tech., dom., cryst., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line.	ton.	72.00	—
Barium chloride, tech., c.l., Zone 1, bbls., same basis.	ton.	74.00	—
l.c.l., bgs., same basis,	ton.	85.00	—
bbls., same basis.	ton.	87.00	—
Zone 2, bgs., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.	ton.	76.00	—
bbls., same basis.	ton.	78.00	—
l.c.l., bgs., same basis.	ton.	89.00	—
bbls., same basis.	ton.	91.00	—
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz.,	ton.	82.00	—
bbls., same basis.	ton.	84.00	—
l.c.l., bgs., same basis,	ton.	95.00	—
bbls., same basis.	ten.	97.00	—
Zone 4, bgs., c.l., dlvd. Wash., Ore., Cali., Nev.	ton.	78.00	—
bbls., same basis.	ton.	80.00	—
l.c.l., same basis.	ton.	91.00	—
bbls., same basis.	ton.	93.00	—
Dioxide, dms.	lb.	.11	.15
Fluoride, bbls.	lb.	.15	.16
Fluosilicate, bbls.	lb.	.15	.16
Hydrate (see Hydroxide).			
Hydroxide, bbls.	lb.	.04¾	.05½
Iodide, bots.	lb.	4.30	4.45
Monoxide (see Oxide).			
Nitrate, cks.	lb.	.07	.08¼
Oxide, dms.	lb.	.11	.15
Peroxide (see Dioxide).			
Sulphate, tech. (see Barytes and blanc fixe).			
X-ray, bbls.	lb.	.09½	.10
kgs.	lb.	.12	—
Barytes, dom., floated, bbls., c.l., St. Louis.	ton.	23.65	—
l.c.l., ex whse., Boston,	ton.	36.00	—
Chicago	ton.	31.15	—
Cleveland	ton.	33.50	—
New York	ton.	32.00	—
paper bgs., c.l., St. Louis.	ton.	22.85	—
l.c.l., ex car, Baltimore,	ton.	30.70	—
Boston	ton.	31.70	—
Philadelphia	ton.	30.50	—
ex whse., Baltimore.	ton.	32.10	—
Boston	ton.	35.20	—
Chicago	ton.	30.35	—
Cleveland	ton.	33.00	—
Detroit	ton.	33.00	—
Kansas City	ton.	30.93	—
Los Angeles	ton.	42.00	—
New York	ton.	31.50	—
Philadelphia	ton.	31.90	—
San Francisco	ton.	42.00	—
Toronto	ton.	39.30	—
Southern off color, bulk, mines.	ton.	12.00	—
95.75%, bulk, mines.	ton.	16.00	—
ore, bulk, mines, long ton.		7.00	—
German, grd., bbls., c.l., dock., t.a.	ton.	25.00	26.00
l.c.l., ex wrhse.	ton.	30.00	—
ungrd., bulk, c.l., ex dock.	ton.	13.00	14.00
Italian, grd., bbls., c.l., ex dock, t.a.	ton.	29.50	Nom.
l.c.l., ex wrhse.	ton.	32.50	—
Bauxite, bulk, mines.	ton.	7.00	10.00
Bay leaves (see Laurel leaves)			
Bay rum, import, bbls.	gal.	.71½	Nom.
Bayberry bark, bgs.	lb.	.15	.16
Belladonna leaves, bls.	lb.	.14	.15
Root, bls.	lb.	.10	.11
Bentonite, 1, 96%, 300 mesh, bgs., Wyo. works.	ton.	16.00	—
2, 92%, 200 mesh, bgs., Wyo. works.	ton.	11.00	—
Benzaldehyde, tech., cbys., dms.,	lb.	.60	.70
USP, X, dms., 50 to 100 lbs.	lb.	.85	—
5 to 25 lbs.	lb.	.90	.95
Benzene (see benzol).			
Benzidin base, bbls.	lb.	.70	—
Benzol, 90%, nitration, pure, dms., works.	gal.	.21	—
tankcars, frt. alld. E. of Omaha.	gal.	.16	—
Benzol tankcar prices, West, f.o.b. sellers' works.			
Benzoyl chloride, dms.	lb.	.40	.47
Benzyl acetate, f.f.c., bots.	lb.	.55	1.00
Alcohol (see Alcohol, benzyl).			
Benzoate, a.m.a., f.f.c., tins.	lb.	.90	1.20
Chloride, 95-97%, refd., dms.	lb.	.30	.40
tech., dms.	lb.	.25	.28
Formate, cns.	lb.	2.75	3.50
Benzylidineacetone, bots.	lb.	2.35	3.50
Berberine bisulphate, cns.	lb.	13.00	13.25
Hydrochloride, cns.	lb.	13.00	13.25
Sulphate, cns.	lb.	14.75	15.00
Berberis root, bls.	lb.	.13	.15
Betanaphthol, subim., bbls.	lb.	.55	—
kgs.	lb.	.60	—
tech., bbls., c.l., works.	lb.	.23	—
l.c.l., bbls., works.	lb.	.24	—
Benzoate, fib, dms.	lb.	2.10	—
kgs.	lb.	2.00	—
Betanaphylamine, tech., kgs.	lb.	.51	—
Beth root, bls.	lb.	.14	.15

Amyl Caproate—Beth Root

NERVE CENTER



So many different types of equipment are required in the production of Calco's hundreds of dyes and chemicals that this entire building was designed solely to assemble and install almost every conceivable type of chemical tool. This includes autoclaves, nitrators, stills, kettles and the innumerable special technical articles that are daily required by Calco's many different departments.

THE CALCO CHEMICAL COMPANY, INC. BOUND BROOK, NEW JERSEY

• • • A DIVISION OF Calco AMERICAN CYANAMID CO.

BOSTON • PHILADELPHIA • PROVIDENCE • NEW YORK • CHARLOTTE • CHICAGO

Bismuth—Borax

Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.35
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.30 - —
cns. .....lb. 3.25 - —
Subcarbonate, bots., cns.....lb. 1.32 - 1.56
fib. dms.....lb. 1.23 - 1.26
X-ray, 5-lb. bots.....lb. 2.52 - —
fib. dms.....lb. 2.46 - —
Subgallate, bots., cns.....lb. 1.42 - 1.66
fib. dms.....lb. 1.33 - 1.56
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms.....lb. 1.13 - 1.10
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., dlvd...lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
Black, bone, 2, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls, bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra). lb. .0445- —
Black, carbon, standard, bgs., c.l., dlvd. zone, B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
30,000 lbs., dlvd Zone C, Pac. Cst. States.lb. .0505- —
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0505- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0535- —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .07 - —
ctns., l.c.l., dlvd. all zones, lb. .07½- —
cs., l.c.l., dlvd. all zones..lb. .08½- —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.

Charcoal (see C).

Graphite (see G).

Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
Black, lamp, dom., 4 cnts., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c. l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y. ....lb. .12 - —
3 bbls., c.l., f.o.b. N. Y...lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b., N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Black, vine, A, bbls., works or N. Y..lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —

Black dyes are listed under Dyes.

Black haw root bark, bls.....lb. .21 - .22
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l...ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.50 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.25 - —
import, bgs., c.i.f. ports, Aug. shipt..unit-ton. 3.65 - 3.70
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .16
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls, same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.45 - —
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Ultramarine, dry, jobbing bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis....lb. .17 - —
3, bbls., same basis....lb. .18 - —
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, same basis.lb. .26 - —
B, bbls., same basis.lb. .23 - —
C, bbls., same basis.lb. .22 - —
D, bbls., same basis.lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basisNlb. .28 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —

Ultramarine, blue, dlvd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —

Blue dyes are listed under Dyes

Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works.100 lbs. 5.15 - —
16-25 bbls., same basis. 100 lbs. 5.40 - —
6-15 bbls., same basis. 100 lbs. 5.50 - —
3-5 bbls., same basis. 100 lbs. 5.75 - —
1-2 bbls., same basis. 100 lbs. 5.90 - —
monohydrated, dms., c.l. dealers..lb. .10 - —
l.c.l., dealers.....lb. .11 - —
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
c.i.f., Atlantic ports..ton.36.00 - —
import, bgs., c.i.f. ports..ton.35.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chi-Chicago..ton.25.00 - 27.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.27.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.23.00 - 24.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.25.00 - —
Borage flowers, bls.....lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00

EBG MAKES A CLEAN GETAWAY... A PERFECT VALVE IS A MUST *at EBG, because on the valve depends efficient chlorinating results. So EBG removes every valve on every container when it is returned to our plant. It is cleaned thoroughly, inspected, tested for perfect performance. If there is the slightest flaw in any detail a new valve is installed. Add to this careful procedure the many other precautions we take, such as scouring, steaming, air-drying cylinders, thoroughly reconditioning all containers... and it is easy to see why EBG Liquid Chlorine is pure and always makes a "clean getaway" from our plant to yours.*

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N.Y.
Plant: Niagara Falls, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Borax, tech., powd., sks, contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —
consumer, dms., same basis. lb. .10½- —
l.c.l., dealers, dms., same basis..lb. .10½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12¼- —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points.....lb. .12¼- —
2, bbls., same basis.....lb. .11¼- —
3, bbls., same basis.....lb. .10¼- —
4, bbls., same basis.....lb. .09¾- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .08 - —
8, bbls., same basis.....lb. .07¾- —
9, bbls., same basis.....lb. .07½- —
10, bbls., same basis.....lb. .06¾- —
11, bbls., same basis.....lb. .06¾- —
12, bbls., same basis.....lb. .06¼- —
13, bbls., same basis.....lb. .06 - —
14, bbls., same basis.....lb. .05½- —
raw, American, bbls., works. lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis.....lb. .10¾- —
3, bbls., same basis.....lb. .10¾- —
4, bbls., same basis.....lb. .09¼- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .07½- —
8, bbls., same basis.....lb. .07 - —
9, bbls., same basis.....lb. .06½- —
10, bbls., same basis.....lb. .05¾- —
11, bbls., same basis.....lb. .04¾- —
Umber, Amer., bbls., works..lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles..lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04⅝- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04⅞- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .55 - .60
Buckthorn bark, true, bls.....lb. .04 - .06
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06½- —
import., stands.....lb. .11½- .12½
Butanes, comi., 16-32°, tanks, group 3..gal. .02¼- .03¾
Butternut bark, bls.....lb. .06 - .06½
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09 - —
Butyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky mts..lb. .08 - —
l.c.l., same terms.....lb. .08¼- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol).
Aldehyde, dms., l.c.l. .....lb. .17½- —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- —
Propionate. dms., dlvd.....lb. .17 - —
Stearate, dms.....lb. .26 - —
Butyric, ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

Calcium, bromide, jar.....lb. .70 - .75
Carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-88% bgs., dms., c.l., dlvd. ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms.. c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, flb., dms., 1,000 lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.95
Lactate, USP, bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex vessel..ton.20.10 - —
Palmitate. bbls.....lb. .22 - .28
Phosphate, dibasic, precip., 38-42% P_2O_5 bgs., c.l.f. Atlantic ports, shipt. unit-ton. .76 - —
tribasic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton. lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh), c.l., works ton.52.00 - —
l.c.l. works.....ton.56.00 - —
83/85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works. 100 lbs..lb. .85 - —
smaller lots.....lb. 1.00 - —
Sulphocarbolate, bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .43 - .45
Calomel, bbls., flb., dms., kgs., lb. 1.59 - 1.60
Camphor, natural, powd., cs..lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
tablets, imp.,cs., 2,000 lbs.lb. .54 - —
500 lbs.....lb. .55 - —
100 lbs.....lb. .56 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs..lb. .06 - .06½
Morocco, bgs.....lb. .06½ Nom.
Turkish, bgs.....lb. .06¼- .06¾
Canella alba bark, bls.....lb. .37 - .38
Cannabis, herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .90 - .95
Russian, cs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07 - .07½
Carbazole, 70-80%, dms., works.lb. .80 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.. lb. .85 - —
Carbazole, 98.5-99%, dms., ton lots, works..lb. .75 - —
smaller quantities, works.. lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .80 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .53 - —
l.c.l., works.....lb. .54 - —
tanks, works.....lb. .53 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05⅝- —
5 gal. dms., c.l., same basis. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¾- —
l.c.l. same basis.....lb. .06⅝- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid. 2c. lb. higher.
Cardamom, bleached, cs.....lb. 1.60 - 1.90
decorticated cs.....lb. 1.45 - 1.55
green, bgs.....lb. .90 - .95
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 45%, gran., dms., l.c.l..lb. .11⅞- —
lump, dms., l.c.l.....lb. .10⅝- —
60%, lump, dms., l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs, c.l., dlvd..lb. .13 - .14
5 tons, works.....lb. .14½- —
smaller lots, works.....lb. .15 - —
80-100 mesh, bgs., c.l., dlvd., lb. .13½- .14½
5 tons, works.....lb. .15 - —
smaller lots, works.....lb. .15½- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .18 - —
80-100 mesh, bgs., c.l., duty pd..lb. .18½- —
French, 30 mesh. bgs., c.l., duty pd..lb. .17 - .18
Cassia, Batavia, 1, bgs.....lb. .14⅜- .15
3, bls.....lb. .07¼- .07⅜
short stick, bls.....lb. .12 - .12½
China, rolls, select, cs.....lb. .05⅜- .06¼
broken, extra bls.....lb. .04¼- .04½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .11 - .12
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, com., 5½% ammon., bgs., c.l., works..ton.25.00 - —
import, bgs., c.l.f.,ports, shipment..ton. No prices.
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .18 - .18½
Indian, bgs.....lb. .15¼- .15⅝
Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10- lbs., works.....lb. .56 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs...lb. .20 - .21
Roman, bls.....lb. .26 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.30.80 - —
Ill., (except river points), Minn., Neb., Wis. .....ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 9.50 -15.50
bulk, c.l., works...ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works.....ton. 9.00 -15.00
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.00 - —
paper bgs., c.l., works, ton.12.00 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila...ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs. .....lb. .86 - .95
100 lbs. .....lb. .88 - .97
25 lbs. .....lb. .90 - .99
1-10 lbs. .....lb. .95 - 1.02
dms., 1,000 lbs. .....lb. .80 - —
500 lbs. .....lb. .83 - —
100 lbs. .....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y...lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equald.. 100 lbs. 2.55 - —
1, works, frt. equald.. 100 lbs. 3.00 - —
Chloroacetophenone,tins,works.lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, comi., 185-lb. cyls., works, frt. equald..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs. works....lb. .17 - —
solut., 6% cr, bbls.....lb. .05 - .06
Cake, bulk, c.l., works...ton.11.00 -12.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .20 - .22
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .20 - .23
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .82 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
sulphate, N.F., cns..100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs..oz. .34 - —
Cinchophen, USP., boxes, 5 lbs. lb. 3.75 - —
bots. 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamon, Ceylon, 2 bls.....lb. .18 - .18½
3, bls.....lb. .17½- .18
Cinnamon, Ceylon, 2 bls.....lb. .17¼- .17¾
3 bls.....lb. .16¾- .17¼
Citral, bots., cns.....lb. 1.70 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. 1.00 - 1.50
Citronellol, bots., dms.....lb. 1.75 - 1.90
Clove, Madagascar, bls.....lb. .16½- .17
Zanzibar, bls.....lb. .18 - .18½
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
water-gas, crude, dms., c.l., works..dm. 6.75 - —
l.c.l., works.....dm. 7.50 - —
tanks, works.....gal. .07 - .09
refd., dms., c.l., works..dm. 7.25 - —
l.c.l., works.....dm. 8.00 - —
tanks, works.....gal. .08 - .09
Cobalt acetate, bbls., dlvd.....lb. .58 - .60
kgs., dlvd.....lb. .65 - —
Carbonate, tech., bbls., dlvd.lb. 1.50 - —
Chloride, dms., works.....lb. .67½- .72½
Hydrate, bbls.....lb. 1.60 - —
Linoleate, paste, 6%, dms...lb. .29 Nom.
solid, 8½%, bbls.....lb. .31 Nom.
Oleate, bbls.....lb. .26 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls....lb. .13 Nom.
1%, bbls.....lb. .12½ Nom.
2%, bbls.....lb. .13½ Nom.
3½%, bbls.....lb. .16½ Nom.
precip., dms., dlvd.....lb. .31½ Nom.
Sulphate, dms.....lb. .59 - —

Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .32 - .36
Teneriffe, silver, bgs.....lb. .35 - .37
Cocillana bark, bgs.....lb. .19 - .20
Cocoa butter, lumps, bgs., c.l..lb. .17½- .18
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver)
Conosh, black, root, bls.....lb. .07½- .09
Blue, root, bls.....lb. .06½- .07
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .45 - .46
Colombo root, bls.....lb. .75 Nom.
Coltsfoot leaves, bgs.....lb. .09 - .09
Condurango bark, bgs.....lb. .08 - .09
Coniuna leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns.....lb. .34 - .35
S.A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .18 - —
18-20%, bbls.....lb. .10¼- .12½
Chloride, bbls.....lb. .15 - .17
Cyanide, tech., bbls.....lb. .37 - .39
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .14 - —
Nitrate, cryst., bbls.....lb. .15 - —
Oleate, precip., bbls.....lb. .20 - —
Copper oxide, black, bbls., tons, works..lb. No prices
smaller lots, works....lb. No prices
red, com'l, 50-75%, kgs., c.l., f.o.b. N.Y..lb. No prices
l.c.l., f.o.b. N. Y....lb. No prices
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol)
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -13.00
Copra, bgs., Pacific Coast...lb. .0320 Nom.
Coriander seed, Morocco, bgs..lb. .05½- .05½
bleached, bgs.....lb. .07½- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 4.34 - —
ex whse.....100 lbs. 4.44 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.36 - —
43°, bbls., c.l.....100 lbs. 4.41 - —
Cornsilk, bls.....lb. .07½- .08
Corrosive sublimate, cryst., dms., lb. 1.37 - 1.38
gran., powd., dms.....lb. 1.22 - 1.23
Cottonroot bark, bls.....lb. .11 - .11½
Cottonseed hull ash, 25-30% pot-ash bulk, dlvd., unit-ton. 1.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .19 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .17¾- —
smaller lots, bbls.....lb. .18¼- —
kgs. .....lb. .18⅝- —
Creosote, wood, beech, bots..lb. .70 - .75
hard, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13 - .13½
Coaltar solution, tanks, works gal. .119 - .125
refd., bbls., c.l., works..gal. .23½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .12 - —
l.c.l., same basis.....lb. .12½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .20 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast. lb. .27 - —
10,000 lbs. and over, same basis..lb. .28 - —
2,000 lbs. and over, same basis..lb. .29 - —
1,000 lbs. and over, same basis..lb. .31 - —
200 lbs. and over, same basis..lb. .33 - —
4% rotenone prices, 5c. per lb. less.
coarse grd., 4% & 5% rotenone, prices 1c. less than powd.
3% rotenone, 6c. less than powd.
Cubeb berries, XX, bgs.....lb. .30 - .31
powd., cs.....lb. .34 - .35
Culver's root, bls.....lb. .17 - .19
Cumin seed, Algerian, bgs...lb. .09 - .09½
Indian, bgs.....lb. .08¼Nom.
Morocco, bgs.....lb. .09¾- .10¼
Cutch, Philippine, bls., c.l....lb. .04 - —
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.. 1.15 - —
Cyanide-chloride mixture, 75%, gran., dms..lb. .16 - .17
lump, dms.....lb. .14 - .15

C

Cadmium bromide, bots., jars.lb. 1.61 - 1.80
Iodide, bots.....lb. 3.77 - 3.82
Jars .....lb. 3.65 - —
Lithopone (see Yellow).
Metal, cs.....lb. 1.20 Nom.
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.05 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb. dms. 10,000 lbs., or more. lb. 2.09 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.18 - —
100 lbs.....lb. 2.28 - —
25 lbs.....lb. 2.40 - —
10-lb. cns., 10,000 lbs., or more. lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5 lb. cns., 25 lbs., or more. lb. 2.40 - —
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots.....lb. 4.82 - 4.97
Calabar beans, bgs.....lb. .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd..... 100 lbs. 2.25 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾ —
l.c.l., dealers.....lb. .07¼- —
southern cotton state, dealers, dms., c.l..lb. .06½- —
lb. .06½- —
l.c.l., dealers.....lb. .07 - —
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls..lb. .20 - .21
Deertongue leaves, bls.....lb. .25 - .30
July del'vy., bls.....lb. .15 - —
Degras, common, dom., bbls...lb. .08¼Nom.
English, bbls.....lb. .08¼Nom.
neutral, dom., bbls.....lb. .12¾Nom.
English, bbls.....lb. .12¾Nom.
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., or Balto., frt. prepaid to West Coast ports..lb. .39 - —
30,000 lbs., contract or orders, basis..lb. .39½- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
1 bbl., same basis....lb. .44 - —
less than 000 lbs., same basis..lb. .47 - —
import contracts, 30,000 lbs..lb. .21½- —
10,000 lbs. .....lb. .22 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British, gum, c.l., f.o.b. Chicago..100 lbs. 5.15 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.25 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.00 - —

An advertisement of
HERCULES POWDER COMPANY
INCORPORATED
Wilmington, Delaware

for Chemical Progress

RECOMMEND ABALYN FOR USE IN VARNISHES

Abalyn*, the methyl ester of abietic acid, is a pale, viscous liquid, which, with a saponification number of 20, is very resistant to alkali. Used alone as a varnish resin, it yields rather brittle and slow-drying films. It has, however, a number of properties which make it of value when used to replace part of the resin or resin and oil in the kettle:

Excellent solvent action—Abalyn acts as a solvent for many resins whose varnishes could not be thinned with low-priced solvents, such as mineral spirits, turpentine, and the like unless it were present.

High solids content—Varnishes containing Abalyn may be so formulated as to possess low viscosity with high solids content. This is to be desired where exceptional filling effect is required for one-coat applications.

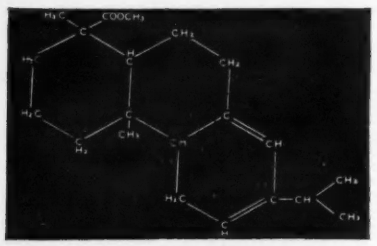
Retards gelation—Abalyn is excellent in retarding the gelation of China wood oil. The use of appreciable quantities of this resin in a formulation will permit variations in cooking technique which would otherwise be impossible.

Wetting action—Abalyn has excellent pigment wetting properties and may be used as a grinding medium.

Retards skinning—Use of appreciable quantities of Abalyn will retard or eliminate skinning, regardless of the quantity of driers used.

Extender for phenolics—Abalyn may be condensed with most of the 100% phenolic resins to form plastic resins having the excellent alkali resistance of both the Abalyn and phenolic and being practically non-oxidizing in character. These resins may be combined in a varnish with a small amount of oil to form coatings having all the alkali and reagent resistance of the short oil varnishes plus the toughness of much longer finishes.

*Reg. U. S. Pat. Off. by Hercules Powder Company



Structural formula for Abalyn, as used by Hercules chemists.

★ ★ ★

NITROCELLULOSE EMULSIONS *now Improved by Casein*

There have been many improvements in nitrocellulose lacquer emulsions since their introduction by Hercules several years ago.

An important development, just announced, is the use of casein as a portion of the emulsifying agent system in combination with other emulsifying agents. Casein has been found to be most useful in emulsifying very high viscosity lacquer bases which heretofore have been difficult to emulsify.

The casein gives easier and better emulsification, resulting in greater stability. Various percentages of casein may be used, but the choice will necessarily be dependent on the particular properties desired of the resultant emulsion.

The presence of a protective colloid, such as casein or methyl cellulose, makes it possible to redisperse the lacquer phase by stirring when a partial coagulation has occurred on aging.

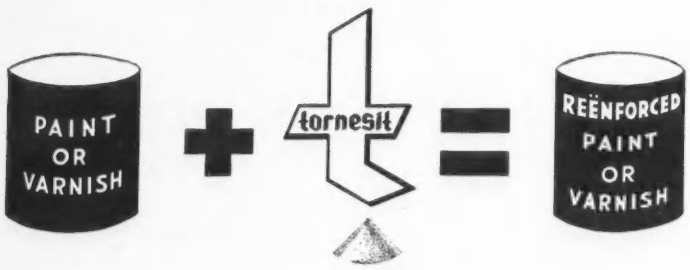
Casein as a portion of the emulsifying agent also offers a method of obtaining emulsions of higher viscosity. Formerly, this was accomplished by using a minimum quantity of water in making the emulsion, but this procedure is somewhat limited since, as the quantity of water is decreased, it becomes increasingly difficult to make a stable lacquer in water-type emulsion.

Emulsions of a high viscosity can be made at the regular ratio of lacquer phase to water phase by increasing the casein content in the water phase.

Details of this important development in emulsions are available.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

"Reënforced" has new meaning with Tornesit



Many products in every-day use are reënforced for added strength. Reënforced concrete, for example, is a household phrase, because reënforced concrete is used so widely.

Now, with Tornesit*, a Hercules product, reënforced paints and varnishes make their appearance. A small percentage of Tornesit added to paints and varnishes reënforces these finishes by imparting, to an appreciable degree, the unusual properties of Tornesit.

Some of the definite advantages of reënforcing finishes with Tornesit are listed:

*Reg. U. S. Pat. Off. by Hercules Powder Company

Improves Gloss Retention

Gloss is retained much longer when Tornesit is added to the finish. This is an advantage that will be appreciated by all paint users.

Speeds Up Drying Rate

Tornesit itself dries as fast as lacquer. A small percentage of it greatly accelerates the drying rate of compatible finishes. This means speeding up the drying rate without overloading with metallic driers.

Lengthens Life of Finish

Tornesit finishes have long life. Just a small percentage of Tornesit imparts this extra durability to other finishes.

Improves Chemical Resistance

Tornesit paints are widely known for their acid- and alkali-resistance. Improved chemical resistance can be obtained for other finishes by adding only a small percentage of Tornesit.

Increases Tint Retention

Original colors stand up longer because Tornesit reduces chalking action.

Other Advantages

This reënforcement can be accomplished for many finishes because Tornesit is compatible with many paints, varnishes, and enamels. It is pointed out, however, that petroleum thinners and some resins are not compatible with Tornesit.

Tornesit is inexpensive to use because it is soluble in many cheap solvents, including coal tar hydrocarbons and hydrogenated petroleum thinners.

Because Tornesit can be used satisfactorily on metal, wood, concrete, stucco, plaster, wall board, paper, textiles, and other surfaces, its adaptability is apparent.

PROTECTIVE COATING RESEARCH—Constant research on lacquers, varnishes, and other protective coatings is fostered at the Hercules Experiment Station. The pebble mill set-up for pigment grinding is typical of the small-scale plant operations carried on for the purpose of simulating actual plant practice.

Ethyl Cellulose Good Pigment Grinding Base

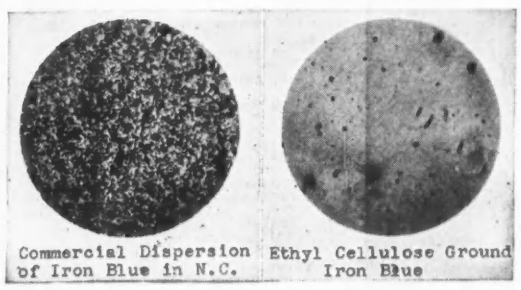
Ethyl Cellulose has many properties of interest to the protective-coating and plastics industry. From an industrial standpoint, Ethyl Cellulose represents one of the most important new developments in the broad field of cellulose derivatives.

It is particularly advantageous for grinding oxidizing pigments, such as iron blues and chrome yellows. Because of a tendency to take fire, these pigments now cause much inconvenience and danger when ground in nitrocellulose plastic.

Ethyl Cellulose is insensitive to heat and is difficult to oxidize. Because of its low melting point, Ethyl Cellulose, either plasticized or unplasticized, colloids easily in either the two-roll or Banbury mill. The plastic thus produced is very tough and sticky and is consequently well adapted to pulling apart pigment agglomerates. Further, the unusual resistance to thermal decomposition makes it possible to operate at temperatures considerably above those normally used in grinding pigments. These higher temperatures, which may be safely used, provide better wetting of pigment particles, which is of value in reducing grinding time.

The time of grinding varies widely for different pigments. Easily wetted pigments, such as chrome yellow and zinc oxide, are completely dispersed within one minute after the elimination of water from the plastic. More difficultly wetted pigments require more time. For example, carbon black and iron blue require approximately 20 to 25 minutes for complete dispersion.

Pigments dispersed in Ethyl Cellulose are more widely applicable than any commercially available pigment dispersion. It has already been indicated that their use in ordinary lacquers could be universal. Likewise Ethyl Cellulose is recommended for varnishes.



Photomicrographs illustrating the superiority of Ethyl Cellulose as a pigment grinding base.

VINSOL RESIN

Suggested for Spirit Varnishes

Vinsol*, a new type of resin made by Hercules Powder Company, has many applications of interest to manufacturers of paint, varnish, and lacquer.

One of the most significant possibilities is its use in spirit varnishes and spirit stains.

The natural color of Vinsol Resin imparts to spirit varnishes and stains a true wood color which varies from a cherry to a red mahogany according to the percentage of the resin employed. This is accomplished without the use of dyes or Gilsonite, and it is reported that in many cases results are obtained which cannot be obtained by the use of dyes or other staining agents.

Vinsol Resin is soluble in a variety of solvents commonly employed in producing spirit varnishes and stains.

In preparing products of this nature a single solvent or balanced mixture of solvents can be used, lower boiling materials being preferable to counteract the high solvent retention of Vinsol. The use of compatible plasticizers is necessary in some cases where brittleness must be overcome.

As Vinsol is soluble in toluol and its homologues at 40% solid concentration or above, low-priced penetrating stains can be made by using such composition.

*Reg. U. S. Pat. Off. by Hercules Powder Company

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Advantages of Cellulose Acetate

Hercules Powder Company is now in a position to produce cellulose accetate on a large-volume basis. Cellulose acetate offers the following advantages in lacquer formulations:

- Light resistance
- Low flammability
- High gloss
- Heat resistance
- High dielectric strength
- Toughness
- Tautening properties
- Resistance to mineral oil, alcohol, and gasoline

Petrex Produces Alkyd Resins of Unusual Properties

Petrex* (essential constituent: 3-isopropyl, 6-methyl, 3,6-endoethylene Δ^4 tetrahydro phthalic anhydride) is recognized as an important ingredient in the manufacture of synthetic resins of the alkyd type.

Petrex is not a single chemical entity, however, but contains a considerable quantity of other polybasic acids of higher molecular weight. It is this combination of acidic materials which is largely responsible for the unique properties which give Petrex its value as a starting point in the manufacture of synthetic resins of the alkyd type.

Perhaps the most unusual characteristic of alkyd resins made from Petrex, shown most clearly by the non-oxidizing type, is that they combine hardness and non-tackiness with toughness and flexibility.

A resin produced from Petrex as it is available consists of an intimate mixture of a resinous, film-forming material and a closely related plasticizing material, both of which are essential to a tough, flexible film.

Other unique properties of Petrex may be attributed more or less directly to its terpene origin. In common with other terpene products, Petrex alkyd resins have high gloss, excellent wetting power for pigments, and good leveling and flowing characteristics. The oxidizing types exhibit unusual compatibility with drying oils, and varnishes made from them may be thinned entirely with mineral spirits. They are compatible with all driers.

*Reg. U. S. Pat. Off. by Hercules Powder Company

Let these products work for you

The Hercules products described in this advertisement are comparatively new. All have commercial uses, and many have possibilities not yet exploited. Chemists may find answers to many processing problems in some of these raw materials. Further details are available; just use the coupon.

For further information detach and mail this coupon

HERCULES POWDER COMPANY
INCORPORATED
905 Delaware Trust Building, Wilmington, Delaware

I should like to have more information about:

- ☐ Petrex
- ☐ Hercose
- ☐ Vinsol
- ☐ Tornesit
- ☐ Abalyn
- ☐ Lacquer Emulsions
- ☐ Pale Wood Rosins
- ☐ Ethyl Cellulose
- ☐ Cellulose Acetate

My problem is _____

Name _____

Company _____

Address _____ IN-58

Dextrin—Elecampane

Dextrin, corn, white, bgs., c.l., f.o.b. Chicago..100 lbs. 4.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 5.05 - —
Potato, import., bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 - Nom.
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 -
Dibutyl phthalate, dms.....lb. .21 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms.....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .27 - —
tanks, works.....lb. .25 - —
Diethyl carbonate, comi., dms.lb. .31¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol)
Diethyl, phthalate, dms., c.l...lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Diethylanilin, dms.....lb. .50 - —
Diethyleneglycol, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - .23
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Diethyl sulphate, dms., c.l., works..lb. .13 - —
l.c.l.,works.....lb. .14 - —
tanks .....lb. .12 - —
Digitalis leaves, dms.....lb. .26 - .27
Digylcol oleate, light, bbls.....lb. .21 - .24
Dillseed, recleaned, bgs.....lb. .07¼- .07¾
Dimethyl phthalate, dms.....lb. .21 - —
Dimethylanilin, dms.....lb. .28 - .27
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .16½- .17¼
Dinitronaphtiralene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .14½- .15½
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tai acid oil)
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls, c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Diphenyl, oxide, bots.....lb. .70 - 1.00
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.34.00 Nom.
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Duboisine sulphate, vis.....oz.34.50 -35.00

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
364 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .90
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .65 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .80

Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown ....lb. 1.50 - —
Green:—
657 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. 1.00 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray ....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .57 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue .....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1160 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R, lb. .90 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
57 Amidonaphthol red 6B, lb. .68 - —
79 Ponceau R .....lb. .48 - —
88 Fast red B .....lb. 1.05 - —
176 Fast red A .....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 1.90 - —
749 Rhodamine B .....lb. 6.50 - —
752 Rhodamine 6G .....lb. 4.50 - —
768 Eosin G .....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow .....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .30 - .35
Egg albumen (ace Albumen).
Yolk, dom., cs.....lb. .06 Nom.
import, cs.....lb. .56 - .57
Elder flowers, bright, bls.....lb. .19 - .20
dark, bls.....lb. .18 - .19
Elecampane root, bls.....lb. .11 - .13

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PHTHALIMIDE
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powd., bbls., bxs. .....lb. .18 - .19
select, bndls., cs.....lb. .45 Nom.
July del'vy, cs.....lb. .26 - —
Emetine hydrochloride, bots., cs.15.00 -16.00
Ephedra, bls. .....lb. .06 - .07
Ephedrine, tins, 100 ozs. .....oz. 1.00 - —
Hydrochlorids, tins, 100 ozs.oz. 1.00 - —
Sulphate, cryst.,tins, 100 ozs.oz. 1.00 - —
powd., tins, 100 ozs.....oz. 1.00 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l. .....lb. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..lb. 2.35 - —
smaller lots .....lb. 2.60 - —
kgs., c.l. .....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots .....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.80 - 1.85
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.29.00 -30.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic, dms., 400 lbs...lb. .09 - —
cns., 35 lbs.....lb. .14 - —
Ether, ethyl (see Ether, sulphuric)
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Acetoacetate, dms., c.l., works. lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Cacorate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.40 - 4.25
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 5.55 - 5.70
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works...lb. .77 - —
Ethylcellulose, 501 lbs. and over, works..lb. 1.00 - —
101 lbs., works.....lb. 1.05 - —
smaller lots, works.....lb. 1.15 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms, c.l., works, E. of Rockies, frt. alld..lb. .0545- —
West of Rockies, same basis..lb. .0595- —
l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- —
West of Rockies, same basis..lb. .0694- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .18 - —
l.c.l., works .....lb. .19 - .22
tanks works .....lb. .17 - —
Ethylidinanilin, dms .....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .60 - .70
Eucalyptus leaves, bls.....lb. .09 - .10
Eugenol, bgs., cns.....lb. 2.10 - 2.55
Euphorbia, bls.....lb. .06 - .06½

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
India, bags .....lb. .07½- .07½
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04½- .04½
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .12½- .13
smaller lots, E. works. lb. .13½- .14
light, cs., 1,000 lbs. or over, works..lb. .14 - .15
smaller lots, E. works.lb. .15 - .16
water white, cs., 1,000 lbs. or over, E. works..lb. .15 - .16
smaller lots, E. works.lb. .16 - .17
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.

Fir balsam, Canada, cns.....gal. 8.75 -13.00
Oregon, bbls.....gal. 1.60 - 1.70
Fish berries, bgs.....lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. 4.00 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.59.00 -60.00
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. Cat. factories, contracts..unit-ton.3.10 & .50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f., ports, June-July shipt...ton.49.50 - —
nearby arrival....ton.52.00 - —
Flake white, bbls., kgs.....lb. .08¾- .09
Fleaseed, French, black, bgs..lb. .10¾- .11
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, enamel, 96-98%, bgs., ton. No prices.
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines, ton.20.00 -21.50
import, bulk, Atlantic ports, duty-paid..ton. No prices.
f.o.b. Ill., Ky., mines...ton.21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No prices.

Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06½- —
dms., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .07¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .13 - .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import., bgs., c.l., ex dock.ton.22.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .08 - .09
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs..... No prices.
plantation, bgs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10¼- —
Gambier extract, bbls.....lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, 62-63 octane, tanks..gal. .07 - —
65 octane, tanks.....gal. .07¼- —
above 65 octane, tanks.gal. .08 - —
California, 54-58, tanks...gal. .07½- —
Gulf Coast, US motor, bulk, gal. .05¾- .06
60-62, 390 e.p., bulk, export, gal. .06¼- .06¼
60-62, 400 e.p., bulk, export, gal. .06 - .06½
64-66, 375 e.p., bulk, export, gal. .06¼- .06¾
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .05¾- .06
63-67 octane, tanks....gal. .06½- .06¾
68-70 octane, tanks....gal. .06¾- .06¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04¾- .05¾
63-67 octane, tanks....gal. .05¼- .05¾
68-70 octane, tanks....gal. .05¾- .06¼
60-62, 400 e.p., tanks....gal. .04¾- .05¾
64-66, 375 e.p., tanks....gal. .05 - .06¼
natural, 12-lb. vapor pres., tanks..gal. .05¼- .05¼
14-lb. v.p., tanks.....gal. .05 - —
18-lb. v.p., tanks.....gal. .04¾- .04½
22-lb. v.p., tanks.....gal. .03¾- .04
26-70-lb., v.p., tanks..gal. .03¾- —
Pennsylvania, US motor, below 60 octane, tanks..gal. .05¾- —
60 octane, tanks.....gal. .07½- —
52-54, 450 e.p., naphtha, tanks..gal. .05¾- —
54-56, 400 e.p., strt. run, tanks..gal. .05¾- —
Gelatin, silver, cs.....lb. .50 - .55
Geisemium root, bls.....lb. .12 - .13
Gentian root, bls.....lb. .15 - .16
grd., bbls., bxs.....lb. .17 - .19
powd., bbls., bxs.....lb. .18 - .19
Geraniol, cns., dms.....lb. .75 - 3.00
Geranyl acetate, bots., dms...lb. 1.75 - 2.60
Ginger root, Africa, bgs.....lb. .15½- .15½
Cochin, lemon, bgs.....lb. .15 - .15½
Jamaica, bold, bgs.....lb. .17½- .18
grinding, bright, bgs...lb. .14¾- .15
medium, bold, bgs.....lb. .15 - .15½
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 4.00 - 5.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
58/82, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
83/108, bgs., c.l., dlvd....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Midwest..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
60/164,bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
67/192,bgs.,c.l.,same basis.lb. .20 - —
l.c.l., same basis.....lb. .20½- —
75/222, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
83/251,bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .23 - —
92/283,bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .24 - —
102/315, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
113/347, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
125/379, bgs., c.l., same basis lb. .25½- —
l.c.l., same basis.....lb. .26½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .23½- .24
dms., extra, c.l.....lb. .21½- —
l.c.l. .....lb. .22 - —
dynamite, dms., extra, c.l....lb. .21½- —
l.c.l. .....lb. .22 - —
saponification, basis 88%, dms. returnable, dlvd..lb. .15½- .16
soaplye, basis 80%, dms., returnable, dlvd..lb. .14 - .14½
yellow, distilled, dms., extra, c.l. lb. .23¾- —
l.c.l. .....lb. .23¾- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms.....lb. .40 - —
Stearate, dms.....lb. .27½- —
Gold, U. S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .17 - .17½
Golden seal root, bls.....lb. 3.25 - 3.40
powd., bxs.....lb. 3.40 - 3.45
Grains of paradise, bgs.....lb. .20 - .25
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Graphite, powd., 90% 325 mesh, 80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .07¾- .08
white, trcs. .....lb. .08¼- .09⅛
yellow, trcs. .....lb. .07¾- .08
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07¾- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¾- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¾- —
chrome oxide, dom., pure..bbl. .21 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib., dms., 25 lbs.lb. 2.20 - —
kgs, 100 lbs.....lb. 2.15 - —
Guarana, powd., cs.....lb. .75 - .80
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. .85 - .90
Gum, arabic, amber sorts, cleaned, bgs..lb. .14½- .15
white, sorts, 1, bgs.....lb. .25 - .30
2, bgs .....lb. .27 - .32
powd., bbls.....lb. .17 - .19
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .16 - .17
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .46 - —

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis..lb. .30¾- —
3, selected pale straw bold, bgs., c.l. same basis..lb. .20 - —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .16 - —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .14¾- —
8, light amber bold, bgs., c.l., same basis..lb. .13¼- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .10¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .06½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale fingers, bgs., c.l., same basis..lb. .19 - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, c.l., same basis..lb. .08¼- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .06¾- —
26, pale bold chips, bgs., c.l., same basis..lb. .06¾- —
27, pale small chips, bgs., c.l., same basis..lb. .06½- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .06¼- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .06¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —

Elm Bark—Gypsum

Gum, copal, E.I., black bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04½- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .06½- —
dust.,bgs., c.l., same basis, lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l.,same basis, lb. .04¾- —
dust,bgs.,c.l.,same basis.lb. .03¾- —
nubs,bgs.,c.l.,same basis.lb. .10¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .10¼- —
B,bskts.,c.l., same basis.lb. .09¾- —
C,bskts.,c.l., same basis.lb. .09¾- —
CNE, bskts., c.l., same basis..lb. .07¾- —
D, bskts., c.l., same basis, lb. .06¾- —
DK, bskts.,c.l., same basis, lb. .07¾- —
DU, bskts., c.l.,same basis, lb. .08¾- —
dust,bskts.,c.l., same basis, lb. .06¼- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06½- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .06¾- —
DBB,bskts.,c.l.,same basis, lb. .06¾- —
MA, bskts., c.l.,same basis, lb. .07¼- —
MB, bskts.,c.l.,same basis, lb. .06¾- —
WS, bskts.,c.l.,same basis, lb. .06¼- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .08½- —
chips, pale, bskts., c.l., same basis..lb. .06¾- —
small, bskts., c.l., same basis..lb. .06½- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs,bskts.,c.l., same basis.. lb. .11¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .07½- —
Pontianak, bold, genuine, bgs., same basis..lb. .10 - —
mixed, bgs., c.l.,same basis lb. .14 - —
chips,bgs,c.l., same basis.lb. .10¼- —
nubs, bgs.,c.l., same basis.lb. .12¾- —
split,bgs.,c.l., same basis.lb. .15¼- —
Dammar, Batavia A, cs., c.l., A/D, cs., c.l., same basis.lb. .18¾- —
A/E, cs., c.l., same basis.lb. .15¾- —
B, cs., c.l., same basis...lb. .22¼- —
C, cs., c.l., same basis...lb. .18½- —
D, cs., c.l., same basis...lb. .15¾- —
dust, cs., c.l., same basis.lb. .09¾- —
E, cs., c.l., same basis...lb. .08¼- —
F, cs., c.l., same basis...lb. .06¾- —
Singapore, 1, cs, c.l., same basis..lb. .20¾- —
2, cs., c.l., same basis....lb. .15¾- —
3, cs., c.l., same basis....lb. .06¾- —
chips, cs., c.l., same basis.lb. .12 - —
dust, cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09¼- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 75,000 lbs., dlvd. lb. .10 - —
c.l., single shipment, dlvd. lb. .10¼- —
l.c.l., dlvd.....lb. .10½- —
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs. .....lb. .95 - 1.00
Gamboge, pipe, cs. .....lb. .58 - .60
powd., bbls. .....lb. .65 - .66
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .26 - —
B3, cs., c.l., same basis..lb. .19½- —
80% chips, cs., c.l., same basis..lb. .14¾- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins .....lb. 1.60 - 1.70
Mastic, cs., c.l., same basis as copal..lb. .87 - .89
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .07½- .10
tears, cs. .....lb. .19 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .23 - .25
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .27 - .29
sorts, bgs.....lb. .14½- .15
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs.13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 @ 2.30
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15- —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of parts, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —

Gypsum—Lead Chlor.

Gypsum, plaster of paris, paper bgs., c.l., f.o.b., Southard, Okla., frt. equald..ton.12.50 - —
Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
import., bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 2.60 - 2.80
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root, bls.....lb. .60 - .65
Hematine crystals, bbls.....lb. .18 - .34
Hemlock extract, 25% tan., bbls.lb. .08 - .08¼
Hempseed, Manchur, bgs.....lb. .05 - .05½
Henbane leaves, bls.....lb. .19 - .20
Henna leaves, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Heptane, normal, 86-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms .....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
Hexamethylenetetramine, USP, dms., 500 lbs. or more, shipments, same basis. lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit-ton. 3.50 - —
Hops, dom., 1936 crop, bls.....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls.....lb. .07 - .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 ozs.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .13 - .14
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs. 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.00 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.65 - —
cbys., 5 gals.....gal. 1.75 - —
mild, bbls., 47 gals.....gal. .90 - —
cbys., 5 gals.....gal. 1.00 - —
Iodoform., dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.65
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.50 - 1.55
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F., IV, cbys., 100 lbs..lb. .15 - —
IV, dms., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .06
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08½- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns. lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, comi., kgs.....lb. .02¾- .06
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc)
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 96%, cs.....lb. .60 - .65

Iron, sulphate, tech. (see Copperas) USP, cryst., bbls., 275 lbs...lb. .01½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Iron-ammonia citrate, green, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, Isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .21 - .23
Juniper berries, bgs.....lb. 05½ -

K

Kamala, tins.....lb. .36 - .37
Kava kava root bls.....lb. .17 - .19
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .05¾- .06
Gulf ports, p.w., bulk, export, gal. .04¾- —
w.w., bulk..gal. .04½- .04½
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04¼- .04¼
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .04¾- —
46 w.w., tanks.....gal. .04⅞- —
47 w.w., tanks.....gal. .05 - —
Kerosene, tankwagon:—
Atlanta.....gal. .13 - —
Boston.....gal. .07½- —
Chicago.....gal. .101 - —
Cincinnati.....gal. .135 - —
Denver.....gal. .11½- —
Louisville.....gal. .10½- —
Minneapolis.....gal. .10½- —
New Orleans.....gal. .14 - —
New York.....gal. .07¾- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .11 - .12

L

Lady slipper root, bls.....lb. .42 - .45
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.12.25 -12.50
Middlewestern, trcs.....100 lbs.12.00 -12.10
Neutral, trcs.....100 lbs.13.00 -13.25
Western, choice, trcs...100 lbs.12.10 -12.20
Compound, trcs.....100 lbs.13.00 -13.25
Larkspur seed, bgs.....lb. .28 - .30
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04¾- .05¼
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .55 - .60
Lead acetate, white, broken, bbls..lb. .13½- —
cryst., bbls.....lb. .13½- —
gran., bbls.....lb. .14¼- —
powd., bbls.....lb. .14¼- —
Arsenate, dms., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11½- —
1,000 lbs. or more, dealers dms., E. of Rockies..lb. .12 - —
W. of Rockies.....lb. .11¾- —
less than 1,000 lbs., dealers, E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic, sulphate, bbls., c.l., dlvd., E..lb. .07 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07½- —
l.c.l., dlvd., E.....lb. .07¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07¾- —
Carbonate (see Lead, white)
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —

FASTER SCHEDULES
• SMOOTHER SAILING

Lead, iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 -
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .20 - —
5 lb. cont., f.o.b. works..lb. .23 - —
Nitrate, bbls. .....lb. .11 - .11½
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0875- —
other points.....lb. .0850- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¾- —
Colo., Mont., N. Mex., Wyo.....lb. .09½- —
other points.....lb. .09
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10¼- —
Colo., etc. .....lb. .10 - —
other points .....lb. .09¾- —

Lead, red, dry, 97%, Pb_3O_4, bbls., c.l., (20 tons) dlvd., Ala., etc..lb. .09 - —
other points.....lb. .0875- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09½- —
Ariz., etc. .....lb. .10 - —
Colo., etc. .....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd., Ala., etc..lb. .10 - —
Ariz. .....lb. .10¼- —
Colo. .....lb. .10¼- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0925- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc. .....lb. .10¼- —
Colo., etc. .....lb. .10 - —
other points ....lb. .09½- —
smaller lots, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc. .....lb. .10¾- —
Colo., etc. .....lb. .10½- —
other points ....lb. .10 - —
in oil, steel kegs, 1,000 lbs..lb. .11¼- —
500 lbs.....lb. .12 - —
smaller lots.....lb. .12¾- —
Resinate, fused, 16%, bbls....lb. .09½- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see lead, white, basic sulphate)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .12 - —
l.c.l., 5 tons, one delvy. dlvd..lb. .12¼- —
smaller lots.....lb. 12¼-

Lead, white, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07⅝- —
other points .....lb. .07½- —
l.c.l. dlvd. Ariz., etc..lb. .08 - —
other points .....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
in oil, 100-lb. kgs., 1,000 lbs., dlvd..lb. .11¾- —
500 lbs., dlvd.....lb. .12 - —
smaller lots, dlvd.....lb. .13 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .27 - .28
Root, bls.....lb. .04½- .05
powd., bbls, bxs.....lb. .07 - .08
select, bndls., cs.....lb. .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa..ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio .....ton. 6.50 - —
Eagle Mountain, Va..ton. 6.25 - —
Easton, La. .....ton. 7.00 - —
Farnams, Mass. .....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo. .....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ..ton. 7.00 - —

Lead Iodide—Mace

Lime, chemical (quicklime) lump or pebble, bulk, f.o.b. Leroy, Minn..ton 8.00 - —
Limedale, Ark. .....ton. 7.00 - —
Longview, Ala. .....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich. ..ton. 7.50 - —
Mitchell, Ind .....ton. 6.50 - —
Newala, Ala. .....ton. 6.25 - —
Petosky, Mich. .....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 6.25 - —
Riverton, Va. .....ton. 6.25 - —
Scioto, Ohio .....ton. 6.00 - —
Sheboygan, Wis. ....ton. 7.00 - —
Sherwood, Wis. .....ton. 7.50 - —
Springfield, Mo. ....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
Hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va. ....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex. .....ton.12.00 - —
Durbin, Ohio .....ton. 8.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Easton, La. .....ton. 9.00 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark. ....ton. 9.00 - —
Longview, Ala. .....ton. 9.00 - —
Louisville, Ky. .....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind. .....ton.12.50 - —
Mitchell, Ind. .....ton. 9.00 - —
Newala, Ala. .....ton. 9.00 - —
Pelham, Ala. .....ton. 9.00 - —
Petolsky, Mich. .....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va. ....ton. 8.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio .....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08¾
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¾- .09¾
dms., same basis.....lb. .12 - —
solution, dms., consumer, c.l., works, fr't all'd..gal. .13½- .16¾
dealer, fr't all'd.....gal. .13 - .16
l.c.l., consumer, fr't all'd, gal. .15 - .18
dealer, fr't all'd.....gal. .14 - .17
tanks, consumer, dlvd...gal. .11½- —
dealer, dlvd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 2.45
Linden flowers, with leaves, bls.lb. .16 - .17
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export.....ton.26.00 - —
Meal, 32%, dom., bgs.....ton.35.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0775- —
other points.....lb. .0750- —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .06¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
Lithium bromide, jars, 25 lbs. lb. 1.70 - 1.75
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.00
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E. or ex whse. Pac. Cst.....lb. .05⅞- —
smaller lots, same basis.lb. .06⅛- —
bbls., 20 tons, same basis, lb. .06⅛- —
smaller lots, same basis.lb. .06⅜- —
ordinary, bgs., 20 tons, same basis..lb. .04⅝- —
smaller lots, same basis.lb. .04⅝- —
bbls., 20 tons, same basis, lb. .04⅝- —
smaller lots, same basis.lb. .04⅞- —
titanated, bgs., 20 tons, same basis..lb. .05⅞- —
smaller lots, same basis.lb. .06⅛- —
bbls., 20 tons, same basis, smaller lots, same basis.lb. .06⅜- —
lb. .06⅛- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11¼
solid, bxs.....lb. .15 - .19
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N E., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.40 - 1.45

M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs.....lb. .48 - .49
Blauw 1, cs.....lb. .55 - .56

ALL ALONG THE WAY

WITH new products and processes industry continually steps up schedules and smooths out production. To this progress Cyanamid makes contribution after contribution. For example, with new resins developed by Cyanamid, paint and varnish manufacturers are setting new standards of quality, durability, drying speeds and water resistance. Printing machine speeds are increased and clearer impressions achieved through the use of better ink vehicles made possible by these Cyanamid products. The leather, paper, rubber and other vitally important industries are making parallel improvements as a result of Cyanamid research and product development.

Fortunate in having the resources, the technical facilities and the science-minded man-power to launch and carry through large scale research undertakings, Cyanamid is making many industries aware of the value of its services. Wherever chemicals are used the name Cyanamid is assuming more and more importance. If chemicals are required in your processes you will find Cyanamid ready, not only with the right product of the right quality, but with a keen desire to cooperate with you in the development of methods that bring profits from faster schedules and smoother production.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

SPECIAL FLANNEL SOFTENER E is a specially balanced mixture of sulphonated tallow with higher titre waxes that is finding increasing use in the textile industry. It is recommended as an efficient and economical softener for finishes that call for a fuller hand and stiffer feel than can be obtained with regular cream softener.

LEATHER MANUFACTURERS may find many oils lower in price per pound, few lower in price per unit, but *none* producing better results than ASTRULAN*—the lowest cold test oil available and the best oil for high grade shoe and garment leathers. It produces a stain-free, non-greasy, well-nourished leather, uniform in color and shade. Ursulin*-sulphonated.

AERO* BRAND ESTER GUM, used in the formulation of paints and printing inks, is not merely rosin neutralized with glycerine. Each grade is a group of complex chemical compounds with specific and uniform characteristics assured by careful selection of raw materials and exact control of manufacturing processes. No. 5 is suggested for extremely pale color. No. 6 is a general utility type. No. 7 has exceptional hardness. Other types are available in comprehensive variety.

METALLIC SOAPS in wide variety are offered by Cyanamid for use in the paint, varnish and printing ink industries for flattening agents, for waterproofing and other purposes. The oil and lubricant industry and cosmetic manufacturers are also supplied by Cyanamid with the right products of this type to meet their various needs — Stearates of Aluminum, Calcium, Lead, Magnesium and Zinc; Palmitates of Aluminum and Zinc; Oleates of Aluminum, Calcium, Lead and Zinc.

PHTHALAMIDE, $C_6H_4(CO)_2NH$, is offered to the research chemist as a compound inviting further investigation. It is available for prompt delivery in commercial quantities. Lustrous white crystals over 99% pure, Phthalamide melts at 233° C. It is insoluble in water and alcohol, but is slightly soluble in ether.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

* Registered U. S. Patent Office

DOES *Your* PRODUCT TELL A SUCCESS STORY?

(Above) For instance, just compare this new colorful, lithographed varnish can with the former labelled container and your eyes will tell you a story of success. You can see the extra selling power of the newer container. Did you know there's an economical answer to the question of redesigning *your* package?

You can step up your sales with an attractive, modern container — one that actually looks "SUCCESS." Remember, you sell the eyes first! Don't let lack of eye-appeal hold back your product.

(Below) A handsome, lithographed container is an important factor in this business of boosting sales. This fact is constantly being proved to us by such examples as this redesigned oil container. The manufacturer states the new can was directly responsible for increased sales. Another success story!

LITHOGRAPHY DID THE TRICK!

This container may be small in size but its bright lithography and smart appearance fairly beckon to the prospective buyer. It is a shining example of the added selling power a Canco container can give to *any* product.

Tell us what *your* product is — let us submit ideas and estimates.

CANCO

AMERICAN CAN COMPANY

230 PARK AVENUE, NEW YORK, N. Y.

104 SOUTH MICHIGAN AVE., CHICAGO 111 SUTTER STREET, SAN FRANCISCO

WORLD'S LARGEST MANUFACTURER OF METAL AND FIBRE CONTAINERS

Madder, Dutch, bgs.....lb. .22 - .25
Magnesia, arsenate, cs., dms..lb. .18 - .20
Calcined, dom.,-four-hour,including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis. lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
Zone 2, bgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l.....lb. .07 - —
l.c.l. .....lb. .07½- —
kgs., c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l.....lb. .09½- —
l.c.l. .....lb. .10 - —
Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l., shipm'ts, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U.S.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09¼- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .13 - .14
Manganese acetate, dms.....lb. .28½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .22
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs., c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djna., 1,000 lbs. lots. lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls....lb. .19 - —
Ore, 50-52%, basis, bbls., c.l. Atl. ports..unit-ton. .40 Nom.
Resinate, fused, 3½%, bbls..lb. .08¼- .04½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07¼
crvst., 45% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.50 -26.00
Manna, flake, large, cs.....lb. .35 - .36
small, cs.....lb. .20 - .21
Mannitol, pure, cryst., cs., works, lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17¾- .18
Tunisan, bls. .....lb. .16¾- .17
Matico leaves, bls.....lb. .29 - .30
Menthol, U.S.P., natural, cs..lb. 3.20 - 3.30
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs.....lb. 3.25 - —
liquid, dms., 40 lbs.....lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .87 - —
25 lbs.....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs.....lb. 1.28 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel)
Iodide, red, N.F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib. dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib. dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
Tech. (Red. mercury oxide), Yellow, dom., tech., bbl....lb. 1.59 - 1.60
USP, fib. dms.....lb. 2.01 - 2.03
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .20 - —

Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅞ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in. .....pkg.21.50 -22.00
3⅞x5⅛ in.....pkg.23.50 -24.00
Silver, 3⅜x3¾ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .44 - —
tanks, frt. alld., E. of Rockies..gal. .38 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
96%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J. N. Y., N. C., Ohio, Penn.; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Ment., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17¼- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29¼- —
Acetone, nat., dms., c.l., contracts, Zone 1..gal. .42 - —
2. .....gal. .45 - —
3 .....gal. .46 - —
4 .....gal. .48 - —
l.c.l., Zone 1.....gal. .44½- —
2 .....gal. .51 - —
3 .....gal. .48½- —
4 .....gal. .64 - —
tanks, contracts, Zone 1.gal. .36 - —
2 .....gal. .38½- —
3 .....gal. .39½- —
4 .....gal. .40 - —

Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination. Barrel packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex.,

Mont., Nev., Idaho, Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies. gal. .54½ -
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
l.c.l., Zone 2, frt.alld. E. of Rockies..gal. .59½- —
3, Pacific Cst.....gal. .58 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .48 - —
2, ft. alld. E. of Rockies. gal. .49½- —
3, Pacific Coast.....gal. .51 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, cns. 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs, cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride prices are spot or contract, effective Juy 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130 lbs. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins .....lb. .42 - .45
Violet toner, bbls. (500 lbs.)..lb. .40 - —
smaller lots .....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene, blue, medicl., kgs 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks wks .....gal. .70 - —
Methylnropyl carbinol (see Carbinol)
Methylpropyl ketone, dms.....lb. .20 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
Metronite pigment, 325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., frt. alld., E..lb. .04½ —
l.c.l., frt. alld., E....lb. .05 - —
water, bgs., c.l., frt. allo., E..lb. .04¼- —
l.c.l., frt. all., E.....lb. .04⅝- —
paper, wall or coated, bgs., c.l., frt. allo., E..lb. .04¼- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04⅝- —
smaller lots, frt. allod., E..lb. .05¼- —
rubber, bgs., c.l., frt. allo., E.lb. .03¼- —
l.c.l., 2,000 lbs., ft., allod., E..lb. .04- —
smaller lots, frt. allo., E..lb. .04½ —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
spray, bbls., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Millet seed, bgs.....lb. .03¾- .03¾
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.50 - 2.75
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., dms .....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .90 - .95
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, pods, caddies, 20 ozs..oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.20 - —
1 lb.....lb. 4.35 - —
Ketone, cns., 100 lbs. or more lb. 4.05 - —
5 lbs. to 75 lbs.....lb. 4.35 - —
1 lb.....lb. 4.50 - —
Xylol, cns., 100 lbs. or more lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.40 - —
Musk root, bls. lb .08 .10
Mustard seed, Bombay, brown, bgs..lb. .05¾ Nom.
California, brown, bgs.....lb. .07½- .08
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .05½ Nom.
Danish, yellow, bgs.....lb. .07½- .08
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08½- .09
Hungarian, yellow, bgs....lb. .07 - .07½
Roumanian, yellow, bgs....lb. .05¾- .05¾
Myrobalans, J1, bgs., shipt..ton.29.50 - —
J, bgs., shipt.....ton.20.75 - —
R2, bgs., shipt.....ton.20.25 - —
Extract, liquid, 25%, bbls....lb. .04½- .05¼

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.)
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 lbs. 2.00 - 2.25
import., 74-78% bgs., Atlantic ports..100 lbs. 2.00 - 2.25
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07⅛- —
jobbers, cs., same basis..lb. .07½- —
pkgs. (16 oz.), same basis. lb. .08 - —
(12 oz.) same basis..pkg. .06¾- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13½
single, bbls.....lb. .13 - .13¾
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose, ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., contract, c.l., 18,000 lbs. dry weight, works..lb. .22 - —
10,000 lbs.....lb. .25 - —
spot, bbls., works.....lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works.....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports June..unit-ton. 1.04 Nom.

Madder—Oil Fuel

Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis. unit-ton. 3.25 - —
Chemical, Ill...unit-ton. 3.15 - 3.25
East Coast producing points..unit-ton. 3.40 - 3.50
import., bgs., c.i.f. Atlantic ports, ship..unit-ton. 3.35 Nom.
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, bgs. cs.....lb. .14¼- .14½
West Indian, bgs.....lb. .14½- .14¾
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

O

Oakbark extract, 25% tan., bbls., c. l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3...gal. .13 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .85 - .90
Oil, amber, crude, cns.....lb. .16 - .17
refd., cns .....lb. .45 - .46
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Aniiin (see A).
Anise, USP, cns., dms.....lb. .70 - .75
Apricot kernel, cns.....lb. .30 - .31
Babassu, tanks, futures.....lb. .08½- —
Bay, W. I., cns.....lb. 1.50 - 1.70
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.50 - 3.70
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd., cns.....lb. .65 - .70
Bois de rose, Brazil, cans..lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .68 - .69
USP IX, cns.....lb. .71 - .88
Calamus, cns.....lb. 3.00 - 3.50
Camphor, sassafrassy, cns...lb. .22 - .23
dms. .....lb. .19 - .20
white, cns. .....lb. .21 - .23
dms. .....lb. .18 - .19
Cananga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.10 - 2.25
Cardamom, bots.....lb.20.00 -38.00
Cassia, USP, cns., dms.....lb. 1.00 - 1.06
Castor, blown, one-way dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls., c.l.....lb. .10⅝- —
l.c.l. .....lb. .11½- —
cns. (1-gal), l.c.l.....lb. .14½- —
dms. (returnable), c.l....lb. .10½- —
l.c.l. .....lb. .11¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks .....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¼- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l...lb. .10 - —
l.c.l. .....lb. .10⅝- —
tanks .....lb. .09¼- —

Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ⅝c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (45% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (65% fat), dms., c.l..lb. .11⅛- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12⅛- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .24 - .26
Celery, bots.....lb.10.50 -12.50
haulmoogra, USP, cns, 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .12½- .12¾
tanks .....lb. .1180- .1200
Cinnamon, Ceylon, bots.....lb. 7.75 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .44 - .46
dms. .....lb. .42 - .44
Java, dms.....lb. .41 - .42
Clove, makers, USP, cns....lb. 1.27 - —
dms. .....lb. 1.25 - —
Coconut, Manila, crude, August forward, tanks.....lb. .05¼- —
Pac. Cst.....lb. .05 Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .11 - —
l.c.l. .....lb. .11½- —
tanks .....lb. .10½- —
Cod, Newfoundland, tanked, bbls..gal. .52 Nom.
Norwegian, shipt. bbls....gal. .40 - .42
Codliver, med., USP, Norwegian, bbls..bbl.25.00 -27.00
for feed purposes, not USP, dms..gal. .50 - .65
Coriander, bots.....lb.19.00 -20.00
Corn, crude, tanks, works..lb. .08¼- .08½
refd., bbls.....lb. .11 - .11¼
Cottonseed, dom., cooking, bbls lb. .10¼- —
salad, bbls.....lb. .10⅝- —
import., Brazilian semi-refd., dms..lb. .05¼ Nom.
British, semi-refd., dms..lb. .06¼ Nom.
Cresote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.20 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 5.00 - 5.50
Dip (See D):—
Erigeron, cns.....lb. 1.65 - 1.70
Eucalyptus, cns.....lb. .46 - .54
dms. .....lb. .44 - .51
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. 1.00 - 1.05
Louisiana - Arkansas, 10-14, bbl. .65 - .75

Oil Fuel—Peru Balsam

Oil, fuel, bunker—
N. Y. and N. J. terminals:—
Monday ..... bbl. 1.35 - 1.50
Tuesday ..... bbl. 1.35 - 1.50
Wednesday ..... bbl. 1.35 - 1.50
Thursday ..... bbl. 1.35 - 1.50
Friday ..... bbl. 1.35 - 1.50
Saturday ..... bbl. 1.35 - 1.50
North Texas, 18-22 ..... bbl. .80 - .85
24-28, zero cold test .. bbl. .95 - 1.05
Oklahoma, 18-22 ..... bbl. .85 - .90
24-28, zero cold test ... bbl. 1.10 - 1.15
24-28, 15 and above ... bbl. .90 - .95
Pennsylvania, 36-40 ..... gal. .04⅝- .04⅞
Furnace, Bayonne, 1, bulk, refinery .. gal. .04⅝- .05
2, bulk, same basis ..... gal. .04½- .04⅝
3, bulk, same basis ..... gal. .04⅜- .04⅝
4, bulk, same basis ..... gal. .04¼- .04⅝
Louisiana - Arkansas, 32-36, light straw ..... gal. .03⅞- .04
Oklahoma, 28-30 ..... gal. .03⅝- .03⅞
32-36 ..... gal. .03⅞- .03⅝
36-38 ..... gal. .03⅝- .03⅞
38-40, straw ..... gal. .03⅞- .04
38-40 zero, 60 c.p. ..... gal. .03⅞- .04
Fusel (see F).
Gas, Bayonne, bulk ..... gal. .04⅝- —
Gulf Coast, bulk ..... gal. .03½- .03⅝
North Texas, bulk ..... gal. .02⅝- .03
Oklahoma, bulk ..... gal. .02⅞- .03⅛
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.75 - 5.25
Bourbon, cns. ..... lb. 4.00 - 4.50
Turkish (see Palmarosa).
Grapefruit, cns. ..... lb. 1.90 - 2.00
Ginger, dist., bots. ..... lb. 8.00 - 8.50
Guaiac wood, concrete, bots. lb. 3.10 - 3.15
Haarlem, dom., bots. ..... gross 3.25 - 3.35
import, bots. ..... gross 3.40 - 3.50
Halibut-liver, dms. ..... 1,000 A unit-gal. .75 - 1.00
Hemlock, cns. ..... lb. 1.05 - 1.10
Juniper berry, USP, cns. ..... lb. 1.25 - 1.75
Wood, tech., cns. ..... lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms. .50 nom.
cns. ..... lb. .55 - —
Lard, common, 1, bbls. ..... lb. .12¼- —
2, bbls. ..... lb. .12 - —
extra, bbls. ..... lb. .13 - —
1, bbls. ..... lb. .12½- —
headlight, burning, bbls. ... lb. .14¼- —
prime, ed., bbls. ..... lb. .14¾- —
lned., bbls. ..... lb. .14¼- —
winter, strained, extra bbls., lb. .13¼- —
prime, bbls. ..... lb. .13½- —
Laurel, bots. ..... lb. 6.50 - 6.75
Lavandin, cns., 25 lbs. ..... lb. 2.70 - —
Lavender flower, French, USP. 50% ester, cns. .. lb. 6.00 - 7.50
U.S.P., 38-42% ester, cns. lb. 5.25 - 6.00
XI, 35% ester, cns. ... lb. 4.00 - 4.50
XI, 30% ester, cns. ... lb. 2.80 - 3.00
IX, 30% ester, cns. .. lb. 2.65 - 2.75
VIII, 30% ester, cns. ... lb. 2.25 - 2.35
garden, cns. ..... lb. .42 - .45
Spike, Spanish, tech., cns. .. lb. 1.05 - 1.10
dms ..... lb. .95 - 1.10
Lemon, Calif., cns. ..... lb. 2.60 - —
Messina, coppers, cns. ..... lb. 3.55 - 3.75
Lemongrass, native, cns., dms. lb. .50 - .52
Lime, dist., cns. ..... lb. 6.10 - 6.50
expressed, cans. ..... lb. 9.50 -10.25
Linaloe wood, cns ..... lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l. ... lb. .1140- —
l.c.l., 5 or more ..... lb. .1180- —
less than 5 ..... lb. .1220- .1240
tanks ..... lb. .1080- —
double boiled, bbls., less than 5 .. lbs. .1240- .1260
raw, bbls., c.l. ..... lb. .1100- —
l.c.l., 5 or more ..... lb. .1140- —
less than 5 ..... lb. .1180- —
tanks ..... lb. .1040- —
Lovage, bots. ..... lb. 41.25 -72.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70 vis., tanks .. gal. .21½- —
80, 100 vis., tanks ... gal. .24½- —
115, 125 vis., tanks .. gal. .26½- —
green, pale, 750, 1000 vis., tanks .. gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks .. gal. .21½- —
pale, red, 100, 140, 1,000 vis., tanks .. gal. .21½- —
pale, 75, 175 vis. tanks. gal. .21½- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks .. gal. .22 - —
15-25 pour, tanks .. gal. .21½- —
150-160 D, 0-10 pour tanks .. gal. .24 - —
15-25 pour, tanks .. gal. .23½- —
150-160 E, 15-25 pour, tanks .. gal. .23 - —
Oil, lubricating, at refy, Okla., bright stocks, 190-200 D, 15-25 pour, tanks .. gal. .27 - —
200-210 E, 15-25 pour, tanks .. gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 color, tans .. gal. .18 - —
180 vis., 3 color, tans, gal. .14 - —
4 color, tanks .... gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks .... gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks .... gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks .... gal. .16 - —
300 vis., 3½ color, tanks .. gal. .17 - —
350 vis., same basis .gal. .17½- —
400 vis., same basis .gal. .18 - —
500 vis., same basis .gal. .18½- —
600 vis., same basis .gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penna., bright, 600 cold test, 10-40 pour, tanks .. gal. .29 - —
10-15 pour, tanks .. gal. .30 - —
cylinder, 600 fire, tanks, gal. .21½- —
600 flash, tanks ..... gal. .24 - —
630 flash, tanks ..... gal. .28½- —
635 fire, tanks ..... gal. .22 - —
650 fire, tanks ..... gal. .23 - —
Warren, E, amber, tanks, gal. .23½- —
neutral, 150 vis...3 color, tanks .. gal. .27 - —
180 vis.,3 color,tanks.gal. .31 - —
200 vis.,2 color,tanks.gal. .31½- —
spot, Penna., bright, bbls., c.l., f.a.s. .gal. .34 - —
unfiltered, 600 s.r., bbls., f.a.s.gal. .28 - —
600 flash, s.r., bbls., c.l., gal. .32½- —
650 s.r., bbls., c.l., f.a.s., gal. .29 - —
Warren, E. bbls., c.l.,f.a.s. gal. .31 - —
smaller lots, f.o.b.gal. .33½- —
Mace, dist., cns., dms. ..... lb. 1.40 - 1.42
Mandarin, superior, coppers .. lb. 8.10 - 8.25
Menhaden, crude, tanks, f.o.b. Balto .. gal. .40 Nom.
refd., alkali, dms. ..... lb. .0980- —
tanks ..... lb. .0880- —
blown, dms. ..... lb. .0960- —
kettle-bodied, dms. ..... lb. .1080- —
light pressed, dms. ..... lb. .0920- —
tanks ..... lb. .0820- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., cns. ... lb. 1.85 - 1.90
dist., natural, bots. ..... lb. 8.50 - 9.00
expressed, bbls. ..... gal. .90 - .95
Neatsfoot, cold test, bbls. ... lb. .18¼- —
extra, bbls. ..... lb. .12¾- —
1, bbls. ..... lb. .12½- —
pure, bbls. ..... lb. .13½- —
special, bbls. ..... lb. .13¼- —
sulphonated, common, 25% moisture, dms .. lb. .10½- —
Neroli, bots. ..... lb. 115.00 -140.00
Nutmeg, USP, cns., dms ... lb. 1.40 - 1.42
Oiticica, dms. ..... lb. .10⅞- .11
futures ..... lb. .10¾ Nom.
Oleo, 1, bbls. ..... lb. .13 - —
2, bbls. ..... lb. .12½- —
Olibanum, bots. ..... lb. 5.00 - 5.25
Olive, denat., bbls. ..... gal. 1.50 Nom.
edible, bbls. ..... gal. 2.40 Nom.
foots, bbls. ..... lb. .11¼ Nom.
sulphonated, 50% (43% fat), dms., c.l. .. lb. .12 - —
l.c.l. ..... lb. .12½- —
75% (63% fat), dms., c.l. .. lb. .15½- —
l.c.l. ..... lb. .16 - —
80% (68% fat), dms., c.l. .. lb. .16½- —
l.c.l. ..... lb. .17 - —
Orange, sweet, dist., cs. ..... lb. .90 - —
expressed, African, cns., dms. .. lb. 1.90 - 2.00
Calif., cns. ..... lb. 2.50 - —
Florida, cns. ..... lb. 2.50 - 2.65
Messina, USP, coppers. lb. 2.70 - 3.00
West India, cns. ..... lb. 2.25 - 2.30
Origanum, Spanish, cns. ..... lb. .90 - 1.00
Orris, Florentine, concrete, extra strong, bots. .. oz. 5.00 - 5.50
Palm, Niger, cks. ..... lb. .06 - —
shipment ..... lb. .04⅝- —
softs, 12%, bulk, shipt. ... lb. .0490- —
20%, bulk, shipt. ..... lb. .0480- —
Sumatra, shipment, bulk ... lb. .05 Nom.
Palmarosa, cns. ..... lb. 3.10 - 3.20
Palmkernel, bulk, shipt. ..... lb. .05⅝- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3 .. gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3 .. gal. .05½- —
80-85 vis., bbls., extra, Ind. refy .. gal. .12 - —
340° flash, 100-105 vis., bbls. extra, Ind. refy .. gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3 .. gal. .05¾- —
Oil, patchouli, bots., cns. ..... lb. 5.00 - 8.50
peanut, crude, dom., tanks, works .. lb. .08¼ Nom.
refd., edible, bbls. ..... lb. .12¼ Nom.
Pennyroyal, dom., cns. ..... lb. 1.55 - 1.60
import, cns. ..... lb. 1.40 - 1.45
Peppermint, natural, cns., dms. lb. 2.40 - 2.50
redist., USP, cns., dms. ... lb. 2.70 - 2.80
Perilla, dms. ..... lb. .11 - .11½
tanks ..... lb. .1050- .1070
Petitgrain, Paraguay, cns. ... lb. 1.10 - 1.25
Pimento berry, cns. ..... lb. 4.00 - 4.25
leaf, cns. ..... lb. 2.50 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports ... gal. .52 - .55
steam-dist., dms. ..... gal. .69 - —
tanks ..... gal. .64 - —
Pineneedle, Siberian, cns. ... lb. .90 - 1.00
Putty, bbls., El Segundo, Richmond, Cal .. gal. .22½- —
contracts ..... gal. .19½- —
Whiting, Ind. ..... gal. .28 - —
dms., c.l., Bost., Provid .. gal. .25 - —
l.c.l., same basis ..... gal. .27 - —
tanks, same basis ..... gal. .18 - —
Martinez, Cal. ..... gal. .28 - —
Rapeseed, blown, bbls. ..... lb. .14 - .14¼
denat., bbls. ..... gal. .95 - —
Red, dist. or saponif., bbls., dlvd .. lb. .11⅝- .12⅝
dms., dlvd. ..... lb. .11½- .12½
tanks, dlvd. ..... lb. .10⅜- —
white, dms. ..... lb. .13½- .14½
Rose, artif., bots. ..... oz. 2.00 - 8.00
natural, coppers ..... oz. 5.25 -22.50
Rosemary, Spanish, cns. ..... lb. .60 - .65
dms. ..... lb. .55 - .60
Rosin, 1st, rectfd., dms. ... gal. .58 - .60
2d rectfd., dms. ..... gal. .60 - .62
3d rectfd., dms. ..... gal. .64 - .66
Rue, bots. ..... lb. 2.15 - 2.20
Sage, cns. ..... lb. 1.65 - 1.70
Sandalwood, Australia, cns. .. lb. 4.50 - 5.00
E.I., USP, cns. ..... lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst., gal. .52 Nom.
refd., alkali, dms. ..... lb. .0980- —
tanks ..... lb. .0880- —
kettle-bodied, dms. ..... lb. .1080- —
light, pressed, dms. ..... lb. .0920- —
tanks ..... lb. .0820- —
Sassafras, artif., cns. ..... lb. .41 - .42
dms. ..... lb. .39 - .40
natural, cns., dms. ..... lb. .90 - 1.05
Savin, cns. ..... lb. 1.50 - 1.60
Savory, cns ..... lb. 3.15 - 3.20
Sesame, dom., refd., white, dms. lb. .11½ Nom.
Shingle stain, bbls., c.l., works. gal. .18 - —
l.c.l., works ..... gal. .14 - —
tanks, works ..... gal. .14 - —
Snakeroot, Canada, cns. ..... lb. 10.00 -11.00
Soybean, dom., crude, dms. .. lb. .1010- .1050
tanks ..... lb. .0950- —
refd., dms. ..... lb. .1110- .1150
tanks ..... lb. .1050- .1090
Spearmint, USP, cns. ..... lb. 1.90 - 2.00
Sperm, bleach, 38°, dms. ..... lb. .1000- .1020
45°, dms. ..... lb. .0930- .0950
natural, dms. ..... lb. .0880- .0900
Spruce, cans. ..... lb. 1.05 - 1.10
Sweet birch, North, cns. ..... lb. 3.60 - 3.75
South, cns ..... lb. 1.65 - 2.00
Tallow, acidless, bbls. ..... lb. .12½- —
tanks ..... lb. .12 - —
Tansy, cns. ..... lb. 3.50 - 3.75
Tar, commi., dms., c.l., dlvd. E. cities .. gal. .26 - —
E. ports ..... gal. .25 - —
l.c.l. ..... gal. .26 - —
tanks, dlvd. E. cities .... gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports .. gal. .50 - —

Tar acid (see T)
Teaseed, crude, dms. ..... lb. .09⅜- .09½
refined, dms. ..... lb. .12¼- .12½
Thyme, NF, red, dms. ..... lb. .85 - 1.25
white, dms. ..... lb. .85 - 1.40
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T)
Turtle, cns. ..... gal. 4.25 - 5.00
Valerian, bots. ..... lb. 12.00 -14.00
Vetiver, bots. ..... lb. 9.00 -16.50
Walnut, crude, dms. ..... lb. .13 Nom.
refd., dms. ..... lb. .14 Nom.
Whale, refd., natural, dms. .. lb. .1050- .1070
winter, bleach, dms. ..... lb. .1090- .1110
Wheat germ, cns., dms. .... gal. 27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms. ..... gal. .42 - .44
65-75 vis., dms. ..... gal. .44 - .46
80-90 vis., dms. ..... gal. .45 - .47
U.S.P., 80-90 vis., dms. gal. .54 - .56
95-105 vis., dms. ..... gal. .63 - .65
125-135 vis., dms. ..... gal. .75½- .77½
140-150 vis., dms. ..... gal. .76½- .78½
175-185 vis., dms. ..... gal. .78½- .80½
200-210 vis., dms. ..... gal. .80 - .82
320-330 vis., dms. ..... gal. .85½- 87½
335-345 vis., dms. ..... gal. .87 - .89
Russian, 80-90 vis., dms. gal. 54- —
145-155 vis., dms. ..... gal. .74½- —
175-185 vis., dms. ..... gal. .76½- —
335-345 vis., dms. ..... gal. .85 - —
Oil, wintergreen, natural, North. cns. .. lb. 4.00 - 8.00
South, cns. ..... lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. ..... lb. 2.80 - 2.90
Wormwood, cns. ..... lb. 3.00 - 3.25
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots. ..... lb. 18.00 -24.00
Opium, USP, cns. ..... lb. 11.50 -12.50
gran., cns. ..... lb. 12.50 -13.50
powd., cns. ..... lb. 12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls. ..... lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. ... lb. .11¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash .. lb. .12¼- —
Colo., Mont., N.M., Wyo. lb. .12 - —
Other points ..... lb. .11½- —
smaller lots, dlvd. Ala., etc .. lb. .12¼- —
Ariz., etc. ..... lb. .12¾- —
Colo., Mont., N. M., Wyo .. lb. .12½- —
Other points ..... lb. .12 - —
French, Tours, csks., ex dock .. lb. .17 - —
kgs., ex dock ..... lb. .18½- —
Molybdate, bbls. ..... lb. .31 - —
Peel, bitter, bls. ..... lb. .08 - .09
Sweet, bls. ..... lb. .10 - .11
Toner, bbls. ..... lb. .80 - —
Orangeflower petals, cs. ..... lb. .35 - .40
Orris root, Florentine, bgs. ... lb. .08 - .09
fingers, cs. ..... lb. .90 - .95
powd., bbls., bxs. ..... lb. .12 - .13
Verona, bls. ..... lb. .08 - .09
powd., bxs, cs. ..... lb. .11 - .12
Orthoanisidin, bbls. ..... lb. .70 - .74
Orthochloroaniiin, dms. ..... lb. .60 - .75
Orthochlorophenol, dms. ..... lb. .35 - .75
Orthocresol, dms., c.l., works .. lb. .13½- —
l.c.l., same basis ..... lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt. alld. E. of Rockies .. lb. .06 - —
l.c.l., dms., same basis ... lb. .07 - —
100 lb. tins, same basis.lb. .08 - —
50 lb. tins, same basis.lb. .09 - —
tanks, same basis ..... lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Othonitroaniiin, dms. ..... lb. .55 - —
Orthonitrochlorobenzene, kgs. .. lb. .28 - .29
Orthonitroparachlorophenol, cns. lb. .70 - .75
Orthonitrotoluene, dms. ..... lb. .07 - —
Orthotoluene sulphonate, kgs. .. lb. 2.00 - 2.05
Orthotoluidin, dms. ..... lb. .14 - —
Osage orange extract, cryst., bbls. lb. .17 - .19
liquid, 51°, bbls. ..... lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works .. lb. 3.50 - —
bots., cns., 1-50 lbs. ..... lb. 3.65 - 4.00

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Papain, powd., cs. ..... lb. 1.20 - 1.25
Paprika, Hungarian, extra fancy, bgs .. lb. .20½- .20⅝
medium, bgs. ..... lb. .20½- .21
Spanish, extra fancy, cs. .... lb. .27¼- .27⅝
fair, bgs. ..... lb. .23 - .23½
fancy, bgs. ..... lb. .26¼- .26½
medium, bgs. ..... lb. .25 - .25½
Para-aminoacetanilide kgs lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l., works .. lb. .26 - —
Parachlorophenol, dms. ..... lb. .30 - .45
Paracymene, rfd., dms. ..... gal. .75 - 1.25
Paradichlorobenzene, dms. ..... lb. .16 - .20
kgs ..... lb. .18 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy .. lb. .03 - —
bbls., c.l., N. Y. ... lb. .0290- .0295
124-126 A.m.p., bgs., c.l., Okla., refy .. lb. .03 - —
bbls., c.l., N. Y. ... lb. .0295- .03
yellow, 124-126 A.m.p., bbls., c.l., N. Y .. lb. .02⅝ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l .. lb. .0445- —
export, f.a.s., N. Y. .. lb. .0465- —
125-127 A.m.p., bgs., c. ... lb. .0455- —
export, f.a.s., N. Y. .. lb. .04¾- —
128-130 A.m.p., bgs., c.l .. lb. .0480- —
export, f.a.s., N. Y. .. lb. .05 - —
130-132 A.m.p., bgs., c.l .. lb. .0495- —
export, f.a.s., N. Y. .. lb. .0515- —
133-135 A.m.p., bgs., c.l .. lb. .0535- —
export, f.a.s., N. Y. .. lb. .05¾- —
135-137 A.m.p., bgs., c.l .. lb. .0580- —
export, f.a.s., N. Y. .. lb. .06 - —
138-140 A.m.p., bgs., c.l .. lb. .0635- —
143-145 A.m.p., bgs., c.l .. lb. .0790- —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l .. lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs .. lb. .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelhpia, or N. Y. C .. lb. .34 - —
100 to 900 lb. shipments, same basis .. lb. .35 - —
Paraldehyde, tech., dms., wks. lb. .16 - .18
USP, cbys. ..... lb. .37 - .45
Paranitroanilin, kgs., c.l., works, lb. .45 - —
l.c.l., works ..... lb. .47 - —
Paranitrochlorobenzene, kgs. .. lb. .23½- .24
Paranitrophenol, kgs. ..... lb. .35 - .37
Paranitrotoluene, kgs. ..... lb. .35 - —
Paraphenylenediamine, bbls. .. lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls. lb. .70 - .75
Paratoluidin, bbls. ..... lb. .56 - —
Pareira brava root, bls. ..... lb. .14 - .15
Paris green, dealer, dms., kgs., c.l., f.o.b. N. Y., frt. all'd E. of Cleve .. lb. .22 - .24
less car lot, same basis .. lb. .23 - .25
Passion flower herb, bls. ..... lb. .06½- .07
Patchouli leaves, bls. ..... lb. .15 - .16
Pellitory root, bls. ..... lb. .16 - .17
Pennyroyal, bls. ..... lb. .13 - .14
Pentane, norm., 28-38°, dms., c.l., G.3 .. gal. .12½- —
l.c.l., G.3 ..... gal. .16 - —
tanks, G.3 ..... gal. .08½- —
laboratory grade, dms., c.l., G.3 .. gal. .16 - —
l.c.l., G.3 ..... gal. .25 - —
Pepper, black, Alleppy, bgs. .. lb. .10 - .10¼
Lampong, bgs. ..... lb. .06¾- .06½
Tellicherry, bgs. ..... lb. .10 - .10¼
Red, birdseye, bgs. ..... lb. .14¾- .15¼
new crop, ... lb. No stocks
Japanese 1, bgs. ..... lb. .12¾- .13¼
Mombassa, bgs. ..... lb. .17 - .17½
White, Java, Muntok, bgs. .. lb. .09¾- .10
Singapore, Muntok, bgs. .... lb. .09¼- .09⅝
Peppermint leaves, dom., bls. .lb. .25 - .26
import, bls. ..... lb. .35 - .40
Peru balsam, dms. ..... lb. 1.05 - 1.10

Petrolatum, amber, bbls., c.l., lb. .02⅝- .03
l.c.l. lb. .04 - .04¼
extra, bbls. lb. .03¼- .03¼
l.c.l. lb. .04¼- .04½
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l. lb. .02⅝- .02⅞
l.c.l. lb. .03¾- —
white, cream, bbls., c.l. lb. .05 - .05¼
l.c.l. lb. .06⅝- —
lily, bbls., c.l. lb. .06 - .06¼
l.c.l. lb. .07⅝- —
snow, bbls., c.l. lb. .07 - .07¼
l.c.l. lb. .08⅝- —

Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights bbl. .74 - .95
Athens bbl. .84 - 1.66
Belridge bbl. .70 - 1.32
Buena Vista Hills bbl. .70 - 1.38
Coalinga bbl. .70 - .90
Coyote Hills (West) bbl. .78 - 1.32
Dominguez bbl. .79 - 1.00
East Coyote bbl. .76 - .96
Elk Hills bbl. .70 - 1.68
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
Huntington Beach bbl. .78 - 1.22
Inglewood bbl. .79 - 1.27
Kern Front bbl. .70 - —
Kern River bbls. .70 - —
Kettleman Hills bbl. 1.19 - 1.43
La Habra bbl. .76 - .96
Lakeview bbl. .70 - 1.38
Lost Hills bbl. .70 - 1.32
McKittrick bbl. .70 - —
Midway - Sunset (except Lakeview) bbl. .70 - 1.38
Montebello bbl. .77 - 1.43
Mt. Poso bbl. .70 - —
Mountain View bbl. .70 - 1.20
Newhall bbl. .70 - —
Olinda Brea bbl. .76 - 1.27
Orcutt bbl. .70 - .93
Playa del Rey, f.o.b. pipe-line bbl. .80 - 1.16
Richfield bbl. .76 - 1.09
Rosecrans bbl. .84 - 1.66
Round Mt. bbl. .70 - —
Santa Fe Springs bbl. .78 - 1.42
Santa Paula bbl. .70 - 1.01
Seal Beach bbl. .79 - 1.19
Signal Hill bbl. .80 - 1.21
Torrence bbl. .80 - 1.05
Wheeler Ridge bbl. .70 - .83
Whittier bbl. .76 - .96
Canada:—
Oil Springs bbl. 2.17 - —
Petrolia bbl. 2.10 - —
Central West:—
Illinois bbl. 1.35 - —
Lima bbl. 1.25 - —
Midland (Mich.) bbl. 1.42 - —
Princeton bbl. 1.35 - —
East Texas bbl. 1.35 - —
Gulf Coast:—
Barber's Hill bbl. .95 - 1.41
Batson bbl. .95 - 1.41
Dayton bbl. .95 - 1.41
Esperson bbl. .95 - 1.41
Goose Creek bbl. .95 - 1.41
Hull bbl. .95 - 1.41
Humble bbl. .90 - 1.41
Liberty bbl. .90 - 1.41
Markham bbl. .90 - 1.29
Orange bbl. .95 - 1.41
Pettus bbl. 1.37 - —
Pierce Junction bbl. .95 - 1.41
Refugio bbl. .95 - 1.41
Saratoga bbl. .95 - 1.41
Saxet bbl. .90 - 1.41
Sour Lake bbl. .90 - 1.41
Spindle Top bbl. .95 - 1.41
Sugarland bbl. .95 - 1.41
West Columbia bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river bbl. 1.42 - —
Kentucky river bbl. 1.50 - —
Western Kentucky (Owensboro) bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou bbl. .90 - 1.22
Caddo bbl. .90 - 1.22
Cameron Meadows bbl. .90 - 1.30
Choctaw bbl. .90 - 1.30
Cotton Valley bbl. .90 - 1.22
Darrow bbl. .90 - 1.30
De Soto bbl. .90 - 1.22
El Dorado bbl. .90 - 1.22
Haynesville bbl. .90 - 1.22
Homer bbl. .90 - 1.22
Iowa bbl. .90 - 1.30
Lockport bbl. .90 - 1.30
Miller County bbl. .90 - 1.22
Pine Island bbl. .90 - 1.22
Rainbow bbl. .90 - 1.22
Rodessa bbl. .90 - 1.22
Smackover bbl. .90 - —
Tepetate bbl. 1.24 - —
Urania bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco bbl. 1.05 - —
Tax, 15.191c. per bbl.
Tuxpan bbl. No Prices.
Tax, 24.713c. per bbl.
Midcontinent:—
North Texas bbl. .96 - 1.20
Oklahoma-Kansas bbl. .98 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany bbl. 2.82 - —
Corning bbl. 1.42 - —
Pennsylvania grade, in Buckeye lines bbl. 2.37 - —
Eureka lines bbl. 2.52 - —
S.W. Penn lines bbl. 2.57 - —
lower district in National Transit lines bbl. 2.77 - 2.82
Rocky Mountain:—
Big Muddy bbl. 1.18 - 1.26
Cannon City-Florence bbl. 1.10 - —
Cat Creek bbl. 1.40 - —
Dutton Creek bbl. 1.06 - 1.30
Elk Basin bbl. 1.30 - —
Fort Collins-Wellington bbl. 1.01 - 1.26
Frannie, light bbl. .82 - —
Grass Creek bbl. 1.30 - —
Greybull bbl. 1.30 - —
Iles bbl. 1.12 - 1.18
Lance Creek bbl. .97 - —
Midway bbl. 1.06 - 1.30
Rock Creek bbl. 1.20½- —
Salt Creek bbl. 1.06 - 1.30
Sunburst bbl. 1.20 - —
Torchlight bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County bbl. .98 - 1.25
Cleveland-Liberty bbl. 1.27 - —
Conroe bbl. 1.20 - 1.44
Darst Creek bbl. 1.09 - —
Duval bbl. 1.00 - —
Hardin-Liberty bbl. 1.15 - —
Luling bbl. 1.00 - —
Lytton Springs bbl. 1.12 - —
Mirando bbl. .90 - 1.36
Panola County bbl. .93 - 1.25
Salt Flat bbl. 1.09 - —
Tomball bbl. 1.20 - 1.44
Van bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties. bbl. .91 - 1.03
Gray County bbl. .96 - 1.08

Petroleum, crude, bulk, at wells:—
West Texas:—
Artesia, N. M. bbl. .90 - —
Crane bbl. .78 - 1.08
Crockett bbl. .78 - 1.08
Ector bbl. .78 - 1.08
Glasscock bbl. .78 - 1.08
Hogback bbl. 1.33 - —
Howard bbl. .78 - 1.08
Jackson, N. M. bbl. .90 - —
Lea, N. M. bbl. .78 - 1.08
Maljamar, N. M. bbl. .90 - —
Mitchell bbl. .78 - 1.08
Pecos bbl. .91 - —
Upton bbl. .78 - 1.08
Winkler bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3. gal. .14 - —
l.c.l., G.3 gal. .17 - —
tanks, G.3 gal. .13 - —
55-60° dms., l.c.l., G.3 gal. .35 - —
40-75° dms., c.l., G.3 gal. .14 - —
l.c.l., G.3 gal. .16 - —
tanks, G3 gal. .13 - —
laboratory grade, dms., c.l., G.3. gal. .16 - —
c.l., G.3 gal. .25 - —
10-gal. lots, G.3 gal. .50 - —
Lacquer, diluent, at refinery:—
California 60,160 l.b.p., 263 e.p., tanks, delvd. Los Angeles gal. .11 - —
San Francisco gal. .11½- —
f.o.b. Richmond gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash. gal. .12 - —
East Coast, tanks gal. .12 - .12½
Group 3, tanks gal. .08⅝- .08⅞
Naphtha, cleaners, at refinery:—
East Coast, tanks gal. .10 -
Group 3, tanks gal. .07⅝- .07⅞
tankwagon, Boston, ex-tax, gal. .18
Chicago, inc. 4c. tax gal. .171 - —
Decatur, inc. 4c. tax gal. .19 - —
Des Moines, inc. 4c. tax. gal. .188 - —
Evansville, inc. ex tax. gal. .14½- .15½
Milwaukee, inc. 5c. tax. gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax gal. .204 - —
Newark, ex tax gal. .12 -
New York, ex tax gal. .12 -
Omaha, ex tax gal. .144 - .154
Oklahoma City, ex tax. gal. .15 - .16
Philadelphia, ex tax gal. .11½- —
St. Louis, inc. 1c. tax. gal. .157 - —
Syracuse, 150 gals. gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans gal. .21 - —
Tulsa, ex tax gal. .15 - .16
high solvency, aromatic 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J. gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt. gal. .16¾- —
30, same basis gal. .18¾- .19
40, same basis gal. .14½- .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equald nearest comp. pt. gal. .16 - —
2, same basis gal. .18 - —
3, same basis gal. .16 - —
4, same basis gal. .18 - —
V.m. & p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo gal. .11 - —
Richmond gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash. gal. .12 - —
54-57, 190 l.b.p., 310 e.p. tanks, dlvd. Los Angeles gal. .10 - —
San Francisco gal. .10½- —
Portland, Seattle gal. .11 - —
East Coast, tanks gal. .11 - —
Group 3, tanks gal. .07⅝- .07⅞
tankwagon, Boston, ex tax. gal. .13 - .14
Chicago, inc. 4c. tax. gal. .161 - —
Decatur, inc. 4c. tax. gal. .19 - —
Des Moines, inc. 4c. tax. gal. .188 - —
Evansville, Ind., ex tax. gal. .147 - .157
Milwaukee, inc. 5c. tax. gal. .203 - —
Minneapolis-St Paul inc. 4c. tax. gal. .204 - —
Newark, ex tax. gal. .13½- —
New York, ex tax. gal. .12½- —
Omaha, ex tax. gal. .144 - .154
Philadelphia, ex tax. gal. .13 - —
St. Louis, inc. 1c. tax. gal. .157 - —
solvent, rubber, at refinery, East Coast, tanks. gal. .10 - —
Group 3, light, 120 l.b.p., 250 e.p., tanks. gal. .07⅝- .07⅞
standard, 180 l.b.p., 288 e.p., tanks, gal. .07⅝- .07⅞
Stoddard (CS 3-28), at refinery:—
East Coast, tanks gal. .10 -
Group 3, tanks gal. .06⅞- .07⅝
tankwagon, Boston, ex tax. gal. .12½- .13½
Chicago, inc. 4c. tax. gal. .155 - —
Decatur, inc. 4c. tax. gal. .18 - —
Des Moines, inc. 4c. tax. gal. .178 - —
Evansville, Ind., ex tax. gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax. gal. .18 - —
Newark, ex tax gal. .11½- —
New Orleans, ex tax. gal. .11 - —
New York, ex tax gal. .11½- —
Oklahoma City, ex tax. gal. .12 - .13
Omaha gal. .131 - .141
Philadelphia, ex tax. gal. .11½- —
St. Louis, inc. 1c. tax. gal. .146 - —
Tulsa, ex tax gal. .10 - .11
thinner, at refinery:—
California, 34, 325 l.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles gal. .14 - —
Portland, Ore. gal. .15 - —
Richmond gal. .13½- —
Seattle, Wash. gal. .15½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.: Willbridge, Ore. gal. .10½- —
Richmond gal. .10 - —
Southern Calif. gal. .09½- —
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo gal. .11 - —
Portland, Ore. gal. .12 - —
Richmond gal. .11½- —
Seattle, Wash. gal. .12 - —
East Coast, 43-47, tanks gal. .10 - —
47-49, tanks gal. .10 - —
Group 3, tanks gal. .06¾- .06⅞
Pennsylvania, tanks gal. .08¾- —
tankwagon, tax included:—
Albany gal. .13 - —
Baltimore (100 gals.) gal. .12½- .15½
25-99 gals gal. .13½- .15½
Boston gal. .12½- .13½
Bridgeport, Conn. gal. .13 - —
Buffalo gal. .12½- —
Camden, N. J. gal. .115 - .135
Chicago gal. .158 - —
Decatur, Ill. gal. .18 - —
Des Moines gal. .178 - —
Evansville, Ind. gal. .137 - .147
Milwaukee gal. .193 - —
Minneapolis-St. Paul gal. .194 - —

Petroleum, thinner, tankwagon (tax incl.):—
Newark gal. .11½- .13½
New York (200 gals.) gal. .11½- —
smaller lots gal. .12 - —
Omaha gal. .131 - .141
Philadelphia gal. .115 - .135
Pittsburgh gal. .12 - .14
Providence gal. .12½- .13½
Rochester gal. .12 - .16
St. Louis gal. .147 - —
Syracuse gal. .14 - —
Trenton gal. .11½- .14
Wilmington, Del. gal. .11½- .13½
Phenobarbital, bots., 5 lbs. lb. 4.85 - —
bots. or cns., spot or contract, 100 lbs. lb. 4.50 - —
cns., 25 lbs. lb. 4.75 - —
Phenol, USP, dms., c.l., works, frt. equald lb. .13¼- .14¼
l.c.l., same basis lb. .14 - .15
tanks, works lb. .12¾- —
tins, c.l., same basis lb. .14¼- .15¼
l.c.l., same basis lb. .15 - .16
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms lb. .82 - —
25-lb. dms lb. .87 - —
50-lb. kgs lb. .84 - —
Phenyl chloride, dms lb. .17 - —
Phenylacetadehyde, bots lb. 2.25 - 3.50
Phenylhydrazin hydrochloride, CP, bots., works lb. 3.30 - 5.10
commercial, kgs., works lb. 3.30 - 6.50
pure, bots., works lb. 2.95 - 3.25
Phloroglucinol, CP, tins, works lb. 20.00 -22.00
tech., tins, works lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines, long ton. 4.35 - —
land pebble, 68% min., bulk, mines, long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk, mines, long ton. 3.65 - —
Tenn., 72%, bulk, mines, long ton. 4.50 - —
75%, bulk, mines, long ton. 5.50 - —
Phosphorus, red, cs. lb. .40 - .44
Yellow, cs. lb. .24 - .30
Oxychloride, cyls. lb. .15 - .18
Sesquisulphide, cs. lb. .38 - .42
Trichloride, cyls. lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R. lb. .14½- —
l.c.l., same basis lb. .15½- —
Picni leaves, bgs lb. .08 - .10
Pilocarpine hydrochloride, bots., vls. oz. 2.50 - 2.75
Nitrate, bots., vls oz. 2.40 - 2.65
Pimento, bgs lb. .11⅞- .12
Pinkroot, bls lb. .40 - .45
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works ton. 19.00 - —
l.c.l. ton. 22.00 - —
Hardwood, 1-time, dm., c.l., dlvd. Akron ton. 21.50 -22.50
f.o.b. works ton. 16.00 - —
Linseed, dms lb. .04¾- .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls bbl. 6.00 - 6.50
Plaster of paris (see Gypsum).
Pleurisy root, bls lb. .12 - .18
Podophyllin, fib., dms., 100 lbs., lb. 3.60 - —
cns., 25 lbs lb. 3.85 - —
Poke root, bls lb. .06½- .07
Pomegranate bark, bgs lb. .18 - .19
Root bark, bgs lb. .40 - .41
Poppy flowers, red, bls lb. .40 - .42
Seed, Dutch, bgs lb. .07 - .07½
Polish, bgs lb. .06¾- .07¼
Potash acetate, USP, fib., dms., 300 lbs. lb. .28 - —
Arsenite, USP, solut., cbys., 100 lbs. lb. .11 - —
demj., 50 lbs lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. lb. .18 - —
kgs., 100 lbs lb. .20 - —
gran., bbls., 250 lbs lb. .18 - —
kgs., 100 lbs lb. .20 - —
Bichromate, spot, c.l., works.. lb. .08¾- —
6 casks or 10 bbls., or over, works lb. .08¾- —
5 casks or 9 bbls. or less, works lb. .09 - —
Binoxalate, dms lb. .23 - —
Bisulphate, kgs lb. .15½- .18
Bromide, U.S.P., gran., bbls., 500 lbs. lb. .31 - —
fib., dms., 100 lbs lb. .32 - —
Carbonate, calc., dms., c.l., works lb. .06¼- —
l.c.l., same basis lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works lb. .05½- —
l.c.l., same basis lb. .05¾- —
liquid, dms., c.l., dlvd lb. .02½- —
l.c.l., 10 dms. or over lb. .03¼- —
less than 10 dms lb. .03½- —
tanks, dlvd lb. .02¾- —
USP, gran., bbls., 325 lbs lb. .14 - —
kgs., 100 lbs lb. .16 - —
powd., bbls., 325 lbs lb. .19 - —
kgs., 100 lbs lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works lb. .07 - —
l.c.l. lb. .07¼- .07½
import., dms lb. .07 - .07½
liquid, 45% basis, dms lb. .03¼- .03½
tanks lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works lb. .06¼- —
l.c.l. lb. .06½- .06¾
import, csks lb. .06¼- .06¾
Chlorate, cryst., kgs lb. .09¼- .09½
gran., kgs lb. .12 - .13
powd., kgs lb. .08½- .08¾
Chloride, tech., 98%, cryst., bgs., kgs. lb. .04 - .06
Chromate, kgs lb. .19 - .28
Citrate, USP, gran., bbls., 250 lbs. lb. .35 - —
kgs., 100 lbs lb. .36 - —
cns., 50 lbs lb. .37 - —
cns., 25 lbs lb. .39 - .40
Cyanide, cns., dms lb. .53 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots lb. 1.15 - —
smaller lots lb. 1.30 - —
cns., 25 lbs lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs. lb. 1.65 - —
cns., 25 lbs lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs. lb. .30 - —
Hypophosphite, cns., 100 lbs. lb. .72 - —
25 to 50 lbs lb. .75 - —
Iodate, bbls., bots., 5 lbs lb. 3.17 - —
cns., 25 lbs lb. 3.05 - —
Iodide, bbls., 250 lbs lb. .93 - —
bots., or cns lb. 1.02 - 1.28
dms. lb. .95 - .96
Kainit, 20% K_2O, bulk, c.i.f. ports ton. 12.75 - —

Prices for potash kainit, manure salt, muriate, sulphate and potash magnesia-sulphate are subject to discount according to time orders are placed and time of delivery. See fertilizer market report for particulars.

Petrolatum—Quinine

Potash, manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import., 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs lb. .11 - .12
Muriate, dom., all strengths, min. 50% K_2O, bulk unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports unit-ton. .53½- —
Potash muriate prices in bags are $3 ton higher than bulk price.
Oxalate, pure, cryst., kgs lb. .30 - .31
tech., bbls lb. .25 - .26
Perchlorate, kgs., works lb. .09 - .11
Permanganate, tech., dms lb. .18½- .19
Prussiate, red, bbls lb. .35 - .37
Yellow, bbls lb. .15 - .16
Silicate alkaline, lump, bags lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs. lb. .13 - —
kgs., 100 lbs lb. .15 - —
powd., bbls., 350 lbs lb. .14 - —
kgs., 100 lbs lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports ton. 38.00 - —
Vegetable, bulk, f.o.b. Balt o. ton. 19.97 Nom.
Xanthate, dms., c.l. lb. .13 - —
l.c.l. lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs lb. .33 - .35
Prickly ash bark, bls lb. .11½- .15
Berries, bls lb. .15 - .16
Prince's pine herb, bls lb. .18 - .20
Propane, tanks, G.S. gal. .03 - .04½
Psyllium seed (see Fleaseed).
Pulsatilla, bls lb. .18 - .19
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works lb. .03 - —
less than 3, works lb. .03½- —
F and 1, bbls., 3 or over, works lb. .03½- —
less than 3, works lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works lb. .04 - —
less than 3, works lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock N.Y. ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse. ton. 37.70 - —
1,000-10,000 lbs., ex whse. ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse. ton. 40.70 - —
single bgs., ex whse. ton. 45.70 - —
Pumpkin seed, bgs lb. .11 - .14
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
500-999 lbs 100 lbs. 3.10 - —
100-499 lbs 100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs. 100 lbs. 4.65 - —
500-999 lbs 100 lbs. 4.85 - —
100-499 lbs 100 lbs. 5.00 - —
refined, dms., 1,000 lbs. unit-ton. 5.15 - —
500-999 lbs 100 lbs. 5.35 - —
100-499 lbs 100 lbs. 5.50 - —
standard, dms., 1,000 lbs. 100 lbs. 3.65 - —
500-999 lbs 100 lbs. 3.85 - —
100-499 lbs 100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Sell test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand gal. 4.25 - 4.50
basis, 3.6% pyethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand gal. 6.37 - 6.75
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over, lb. .14¾- —
fine powd. Japan, bbls., ton lots, frt. alld. lb. .17¾- —
Pyridin, denaturing, dms. gal. 1.55 - —
refd., 2° dms lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins lb. 2.15 - 2.40
resublimed, fib. dms., tins lb. 4.60 - —
Pyroxylin scrap, amber, cs., works lb. .15 - —
black, cs., works lb. .10 - —
China white, ivory, cs., works lb. .16 - —
dense white, cs., works lb. .12 - —
gray, cs., works lb. .10 - —
mixed, mottles, opaque, cs., works lb. .04 - —
shell-dem., cs., works lb. .12 - —
translucent pastels, cs., works lb. .10 - —
transparent, cs., works lb. .20 - —
colors, cs., works lb. .12 - —
shavings, amber, cs., works lb. .16 - —
colors, mixed, cs., works lb. .10 - —
white, cs., works lb. .15 - —

Q

Quassia, chips, bls lb. .06 - .07
Quebracho extract, liquid, 25% tan., bbls., works lb. .03½- —
tanks, works lb. .03 - —
solid, 63%, bgs., c.l., ex dock, plus duty lb. .04 - —
clarified, 64%, bgs., c.l., same basis lb. .04¼- —
Queen of the meadow herb, bgs lb. .06 - .07
Root, bgs lb. .06 - .07
Quercitron, extract, liquid, 51°, bbls. lb. .06 - .08
solid, dms lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y. flask. 97.00 -99.00
Quince seed, bgs lb. .75 - 1.50
Quinidine, cryst., small, cns oz. .96 - —
large, cns oz. .98 - —
powd., precip., cans oz. .91 - —
Sulphate, cns oz. .67 - —
Quinine, 100 ozs., cns oz. .74 - —
Acetate, cns oz. .96 - —
Arsenate, cns oz. .98 - —
Arsenite, cns oz. 1.00 - —
Bisulphate, cns oz. .53 - —
Citrate, cns oz. .71 - —
Dihydrobromide, bots oz. .74 - —
Dihydrochloride, bots oz. .74 - —
Ethylcarbonate, cns oz. .74 - —
Ferrocyanide, cns oz. 1.00 - —
Formate, cns oz. .93 - —
Glycerophosphate, cns oz. 1.13 - —
Hydrochloride, cns oz. .66½- —
Hydrochlorosulphate, cns oz. .74 - —
Hydroiodide, cns oz. .98 - —
Hypophosphite, cns oz. .98 - —
Phosphate, cns oz. .81 - —

Quinine—Shellac

Quinine, salicylate, cns.	oz.	.72	- —
Sulphate, U.S.P. X, cns.	oz.	.53	- —
U.S.P. XI, cns.	oz.	.59½	- —
Sulphocarbolate, cns.	oz.	.96	- —
Tannate, cns.	oz.	.57	- —
Tartrate, cns.	oz.	.96	- —
Valerate, cns.	oz.	.92	- —
Quinine-urea hydrochloride cns.	oz.	74	- —

R

R salt, bbls.	lb.	.52	- .55
Rapeseed, Belgian, bgs.	lb.	.06	- .06½
Dutch, bgs.	lb.	.06¼	- .06¾
Japanese, bgs.	lb.	.06	- .06½
Raspberries, dried, bbls.	lb.	.85	- .90
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10	- —

Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Amaranth (see Red, maroon, lake)			
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.85	- —
smaller lots, same basis,	lb.	.90	- —
kgs., ton lots, same basis,	lb.	.90	- —
Red, cadmium, lithopone, deep shade, kgs., smaller lots, same basis.	lb.	.95	- —
light shade, bbls., ton lots, same basis.	lb.	.70	- —
smaller lots, same basis,	lb.	.75	- —
kgs., ton lots, same basis,	lb.	.75	- —
smaller lots, same basis,	lb.	.80	- —
light-medium shade, bbls., ton-lots, same basis.	lb.	.75	- —
smaller lots, same basis,	lb.	.80	- —
kgs., ton-lots, same basis,	lb.	.80	- —
smaller lots, same basis,	lb.	.85	- —
maroon shade, bbls., ton lots, same basis.	lb.	.95	- —
smaller lots, same basis,	lb.	1.00	- —
kgs., ton lots, same basis,	lb.	1.00	- —
smaller lots, same basis,	lb.	1.05	- —
medium shade, bbls., ton lots, same basis.	lb.	.80	- —
smaller lots, same basis,	lb.	.85	- —
kgs., ton lots, same basis,	lb.	.85	- —
smaller lots, same basis,	lb.	.90	- —
selenide, bbls., ton lots, works.		2.00	- —
smaller lots, works.	lb.	2.50	- —
Orange, bbls., ton lots, works.	lb.	1.50	- —
smaller lots, works.	lb.	1.75	- —
Red, carmine, 40, cns., 500 lbs.	lb.	4.00	- —
100 lbs.	lb.	4.15	- —
11 lbs.	lb.	4.40	- 4.50
Crocus martis (see Red, purple oxide).			
Eosin, toner, blue shade, bbls.	lb.	1.55	- —
yellow shade, bbls.	lb.	1.40	- —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y.	lb.	.08¾	- —
80%-85%, bbls., same basis.	lb.	.07¼	- —
Iron oxide (see Red, oxide).			
Lake C toner, bbls., same basis alizarin lake, contracts.	lb.	1.25	- —
open order.	lb.	1.30	- —
Lithol toner, bbls., same basis alizarin lake, contracts.	lb.	.75	- —
open order.	lb.	.80	- —
Lithol-rubin toner, bbls., same basis alizarin lake.	lb.	1.50	- —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts,	lb.	.40	- —
Oxide (see Red, purple oxide).			
Mercury oxide, tech., dom., bbls.		1.59	- 1.60
Metallic, bbls., Pa., works.	lb.	.02	- —
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., works,	lb.	.08½	- —
l.c.l., works.	lb.	.09¼	- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y.	lb.	.08¼	- —
80% copperas oxide, bbls., same basis.	lb.	.07¾	-
Red, Para toner, concent., kegs, same basis alizarin lake, contracts.	lb.	.75	- —
open order.	lb.	.80	- —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½	- —
ex whse., Chicago, St. Louis.	lb.	.05¾	- —
San Fran., Los Ang., Portland, Seattle.	lb.	.05	- —
Phosphotungstic Rhodamine Y, bbls.	lb.	3.50	- —
Purple lake, kgs.	lb.	.60	- 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis.	lb.	.03	- —
Toner, kgs.	lb.	1.50	- 2.00
Rose lake, bbls.	lb.	.20	- .30
Pink, bbls.	lb.	.15	- .20
Scarlet ink toner, kgs., same basis alizarin lake.	lb.	.45	- —
Lake, kgs., same basis alizarin lake.	lb.	.25	- .30
Spanish oxide, bbls., dlvd.	lb.	.03¼	- —
Toluidin toner, kgs., same basis alizarin lakes.	lb.	1.35	- —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis.	lb.	.25½	- —
2, bbls., same basis.	lb.	.30½	- —
3, bbls., same basis.	lb.	.23½	- —
4, bbls., same basis.	lb.	.33½	- —
5, bbls., same basis.	lb.	.24	- —
6, bbls., same basis.	lb.	.24	- —
7, bbls., same basis.	lb.	.24	- —
8, bbls., same basis.	lb.	.23	- —
9, bbls., same basis.	lb.	.31½	- —
10, bbls., same basis.	lb.	.18½	- —
Venetian, bbls., works.	lb.	.0220	- —
10%, bbls., works.	lb.	.0245	- —
15%, bbls., works.	lb.	.0255	- —
20%, bbls., works.	lb.	.02¾	- —
25%, bbls., works.	lb.	.03	- —
30%, bbls., works.	lb.	.03¼	- —
35%, bbls., works.	lb.	.0360	- —
40%, bbls., works.	lb.	.04	- —
Vermilion, American, bbls., same basis alizarin lake.	lb.	.15	- —
English quicksilver, bbls., 500 lbs.	lb.	1.80	- —
smaller lots.	lb.	1.81	- 1.90
Red dyes are listed under Dyes.			
Red precipitate, N. F., powd., fib. dms.	lb.	1.84	- 1.86
Red saunders wood, ground, bbls.	lb.	.12	- .17
Resorcinol, tech., dms., works.	lb.	.75	- .80
USP, cryst., bbls., works.	lb.	1.50	- 1.55
Rhatany root, bgs.	lb.	.08½	- .10
Rhodinol, bots.	lb.	5.75	-15.00
Rhubarb root, cs.	lb.	.35	- .36
powd., bbls., kgs.	lb.	.40	- .42
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't.	lb.	.15½	- —
smaller lots.	lb.	.16	- —
powd., bbls., 5,000 lbs., 1 shipm't.	lb.	.14½	- —
smaller lots.	lb.	.15	- —
Rose flowers, pale, bls.	lb.	.22	- .24
Red, bls.	lb.	2.00	- 2.10
Water, triple.	djn.	4.75	- 5.00
Rosemary flowers, bls.	lb.	.35	- .40
Leaves, bls.	lb.	.05½	- .06
Rosin, gum, B, bbls., ex dock.	280 lbs.	9.35	- —
D, bbls.	280 lbs.	9.40	- —
E, bbls.	280 lbs.	9.40	- —
F, bbls.	280 lbs.	9.42½	- —
G, bbls.	280 lbs.	9.42½	- —
H, bbls.	280 lbs.	9.42½	- —
I, bbls.	280 lbs.	9.42½	- —
K, bbls.	280 lbs.	9.45	- —
M, bbls.	280 lbs.	9.45	- —
N, bbls.	280 lbs.	9.45	- —
W. G., bbls.	280 lbs.	9.50	- —
W. W., bbls.	280 lbs.	10.35	- —
X, bbls.	280 lbs.	10.35	- —
Wood, New York, F. F., bbls.,	280 lbs.	8.76	- 9.85
K, bbls.	280 lbs.	9.06	-10.15
M, bbls.	280 lbs.	9.16	-10.25
N, bbls.	280 lbs.	9.86	-10.95
Rottenstone, dom., bgs., c.l., f.o.b. mines.	ton.	35.00	- —
l.c.l., ex whse.	ton.	50.00	- —
import., lump, bbls.	lb.	.12	- —
powd., bbls.	lb.	.08½	- .10
Rue, bls.	lb.	.21	- .23

S

Sabadilla seed, powd., bbls.	lb.	.22	- .23
Saccharin, dms., 100 lbs.	lb.	1.70	- —
cns., 25 lbs.	lb.	1.73	- 2.06
Safflower, bls.	lb.	.25	- .26
Saffron, Mexican, bls.	lb.	.45	- .50
Spanish, tins.	lb.	18.00	-20.00
Safrol, cns.	lb.	.50	- .58
dms.	lb.	.47	- .55
Sage, Dalmatian, stemless.	lb.	.06	- .06¼
garden, bls.	lb.	.06½	- .07
Sago fleur, bgs.	lb.	.03¼	- .04¼
Salicin, bots., 5 lbs.	lb.	4.25	- —
cns., 25 lbs.	lb.	4.00	- —
Salol, gran., bbls., 200 lbs.	lb.	.90	- —
bxs., 25 lbs.	lb.	.93	- —
kgs., 100 lbs.	lb.	.90	- —
powd., fib. dms., 25 lbs.	lb.	1.03	- —
kgs., 100 lbs.	lb.	1.00	- —
Salt, rock, bgs., dlvd., N. Y.	ton.	11.80	-12.80
l.c.l., bgs., dlvd., N. Y.	ton.	14.00	-14.50
vacuum, common, fine, bgs., c.l., dlvd., N. Y.	ton.	14.80	- —
l.c.l., dlvd. N. Y.	ton.	15.50	- —
Saltcake, grd., dom., bbls., works,	ton.	19.00	-23.00
bulk, works.	ton.	12.00	-16.00
import, bulk, c.i.f.	ton.	12.00	-12.50
Chrome (see Chrome cake).			
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls.	100 lbs.	7.00	- 7.75
1-9 tons.	100 lbs.	7.40	- 7.90
less than ton lots.	100 lbs.	7.40	- 8.15
gran., bbls., 10-20 tons.	100 lbs.	6.00	- —
1-9 tons.	100 lbs.	6.15	- —
less than ton lots.	100 lbs.	6.40	- —
powd., bbls., 10-20 tons.	100 lbs.	7.00	- —
1-9 tons.	100 lbs.	7.15	- —
less than ton lots.	100 lbs.	7.40	- —
Santonin, cryst., cns.	lb.	25.00	-26.00
Saponin, crude, cns.	lb.	1.45	- —
purified, bots., 5 lbs.	lb.	1.65	- —
cns., 25 lbs.	lb.	1.50	- —
Sarsaparilla root, Honduras, bls.	lb.	.45	- .50
Mexican, bls.	lb.	.20	- .22
Sassafras bark, ord., bls.	lb.	.11	- .12
select, bls.	lb.	.22	- .23
Savory, bbls.	lb.	.07	- .07½
Saw palmetto berries, bgs.	lb.	.59	- .51
Scammony root, bgs.	lb.	.06	- .07
Schaeffer's salt, bgs.	lb.	.46	- —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.	lb.	.11½	- —
smaller lots.	lb.	.12	- —
kegs, 5,000 lbs., 1 shipm't.	lb.	.12	- —
smaller lots.	lb.	.12½	- —
Senega root, bls.	lb.	.60	- .62
Senna leaves, Alexandria, bls.	lb.	.10	- .11
Tinnevelly, No. 1, bls.	lb.	.10	- .11
2, bls.	lb.	.07	- .08
3, bls.	lb.	.05	- .06
powd., bbls., bxs.	lb.	.09	- .10
siftings, bls.	lb.	.10	- .11
Pods, bls.	lb.	.06	- .07
Serpentaria roots, bls.	lb.	.95	- 1.00
Shellac, bleached, bonedry, bbls., f.o.b., N.Y.	lb.	.17½	- .18
dlvd. Boston	lb.	.18	- .18½
Chicago	lb.	.18½	- .19
Pacific Coast	lb.	.19½	- .20
refd., bbls., f.o.b. N. Y.	lb.	.24	- .25
dlvd. Boston	lb.	.19	- .19½
Chicago	lb.	.19½	- .20
Pacific Coast	lb.	.20½	- .21

THEY CALL HIM
"The Drummer"
JIM CAMPBELL, hearty Louisiana native, runs the drum shop in Mathieson's new alkali plant at Lake Charles. Jim will tell you that his is one of the big little jobs in Mathieson's plant. For every single drum has got to be just right and production schedules must be met to the minute if users of Mathieson Caustic Soda are to receive the service they have learned to expect.
Nicknamed "the drummer" by his plant friends, Jim Campbell is typical of the men behind Mathieson Chemicals. Proud of their jobs and proud of their company, these men pull together in a way that makes Mathieson one of the most respected names in the American chemical industry.
The MATHIESON ALKALI WORKS (Inc.)
60 East 42nd Street New York, N.Y.
Mathieson Chemicals

Shellac, garnet, bgs.....lb. .15 - .16
Orange, D.C., VSO., Diamond, cases..lb. .23 - .24
superfine, bgs., f.o.b. Bost., N. Y..lb. .13½- .14
dlvd. Chicago.....lb. .14½- .15
Pacific Coast.....lb. .16½- .17
T. N., bgs., f.o.b. Bost., N. Y. lb. .12½- .13
dlvd., Chicago.....lb. .13½- .14
Pacific Coast.....lb. .15½- .16
Shellac, varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.06
4½-lb. cut, bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut, bbls.....gal. .95 - 1.05
Silica amorph., dry-grd., 95-97%, 325 mesh,bgs.,c.l.,works.ton.17.00 - —
l.c.l., 2½ tons,works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons,works.ton.19.50 - —
smaller lots works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .775- —
Nitrate, vis.....oz. .32⅞- .34⅞
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.85.00 -90.00
Skullcap, Eastern, bls.....lb. .25 - .26
Western, bls.....lb. .24 - .25
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .11 - .12
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .05
Alginate, dms.....lb. .60 - —
Antimoniate, bbls.....lb. .15¾- .16¼
Arsenate, dms., dealers, c.l. works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .08½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l. works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.03 - —
2 .....100 lbs. 2.18 - —
3 .....100 lbs. 2.43 - —
4 .....100 lbs. 2.83 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l., works.....100 lbs. 1.10 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l.....100 lbs. 1.60 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. 1.05 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
4 .....100 lbs. 2.78 - —
3 .....100 lbs. 2.38 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. 1.05 - —

Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices; out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Soda benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more.lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works.. 100 lbs. 1.75 - —
l.c.l., dlvd. N.Y....100 lbs. 2.39 - —
kgs., c.l. .....100 lbs. 2.00 - —
l.c.l., dlvd. N.Y....100 lbs. 2.64 - —
Bichromate, spot, c.l., works, lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .13 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.80 - —
l.c.l., bbls., works.100 lbs. 1.85 - —

Soda, bisulphite, sol., 33 deg., bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg.,bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots, 5 lbs.....lb. 6.82 - —
jars, 25 lbs.....lb. 6.50 - —
Carbonate (see Soda ash, soda menohydrated soda, sal)
Caustic, flake, 76% 1, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 3.25 - —
dms., c.l., works...100 lbs. 3.00 - —
l.c.l., Zone 1....100 lbs. 3.45 - 4.80
2 .....100 lbs. 3.60 - 4.95
3 .....100 lbs. 3.85 - 5.20
4 .....100 lbs. 4.25 - 5.60
electro process, dms., cl., works..100 lbs. 2.95 - —
l.c.l, same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs 2.22½- —
seller's tanks, works..... 100 lbs. 2.25 - —
76%, buyer's tanks, works, 100 lbs. 2.27½- —
seller's tanks, works..... 100 lbs. 2.30 - —
solid, 76%, ammon. process, dms.,c.l.,works..100 lbs. 2.60 - —
l.c.l., Zone 1....100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.45 - —

Soda, caustic, solid, electro process, dms., c.l., works..100 lbs. 2.55 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The same zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P. VIII, gran., bbls..225 lb. .21 - —
cns. 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns. 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28 - —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs, 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
import., cs.....lb. .16¾- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.

Shellac—Soda Nitrate

Soda, glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000 lb. lots, lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .23 - .24
Hypophosphite, N.F., cns., 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 3.00
gran., bbls.....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 4.50 - —
jars, 25 lbs.....lb. 4.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls.,c.l.,works.100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.60 - 2.80
Molybdate, tech., anhyd., kgs., lb. .70 - .75
cryst., kgs.....lb. .60 - .65
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., immediate dlvy., ports, ton.27.50 - —
200-lb. bgs., same basis. ton.26.80 - —
bulk, July-Oct. dlvy., same basis..ton26.50 - —

Stauffer CHEMICALS

SULPHUR

The words "Stauffer" and "Sulphur" have become virtually synonymous in industry—for Stauffer Chemical Company is the oldest and largest refiner of Sulphur in the world. Since 1885 we have been constantly experimenting, improving our products and discovering new uses. The following complete list of Sulphurs are now available for immediate delivery:

Rubber Compounding—Wettable—Dusting—Sublimed Velvet Flowers—Light and Heavy Refined—Refined Roll (stick)—Commercial Flour—Special Refined Salt Block—Refined Lump.

STAUFFER PRODUCTS

BORIC ACID : CARBON TETRACHLORIDE : BORAX TITANIUM TETRACHLORIDE : CAUSTIC SODA SULPHUR CHLORIDE : SULPHUR : SILICON TETRACHLORIDE : CREAM OF TARTAR : SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID WHITING

STAUFFER CHEMICAL COMPANY

624 California St., San Francisco, Cal. ● 2710 Graybar Bldg., New York, N. Y. ● Freeport, Texas ● Rives-Strong Bldg., Los Angeles, Cal. ● Carbide and Carbon Bldg., Chicago, Ill. 424 Ohio Bldg., Akron, Ohio ● Apopka, Florida

A dependable Source of Supply since 1885

STAUFFER

Soda Nitrate—Wormwood

Soda, nitrate, rfd., gran., bbls., 25 c.l—100 lbs. 2.25 - —
5-24 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd. bbls., ton lots....lb. .05¾- —
smaller lots.....lb. .06¼- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .07 - —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08¼- —
l.c.l. .....lb. .08½- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼ —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works..... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .10 - .11¼
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09¼- —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs 4.10 - —
1-4 dms.....100 lbs. 4.80 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52° dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import, bbls.....lb. .05¾- .06
Stannate, dms.....lb. .36½- .39½
Stearate, lump, bbls., works..lb. .19 - .20
powd., bbls., works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works... 100 lbs. 2.10 - 2.25
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald.gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works, lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .12 - .15
Spruce extract, bbls., works...lb. .01¼- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04¼- —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .18
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls.....lb. .08½- .09
Starch, corn, pearl, bgs...100 lbs. 4.33 - 4.53
powd., bgs.....lb. 4.43 - 4.63
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .05½ Nom.
import., bgs.....lb. .05½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .07 Nom.
Stavesacre seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .09½- .09¾
Stillingia root, bls.....lb. .09½- .10
Stoneroot, bls.....lb. .06½- .07
Storax, cs.....lb. .33 - .50
Stramonium leaves, bls.....lb. .11 - .12
seed, bgs.....lb. .09 - .10
Strontium bromide, fib. dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.76 - —
Strontium, nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over...lb. .08¾- —
import, bbls.....lb. .08½- .09
Strophanthus seed, Kombe, bgs.lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 5.00 - —
fib., dms.....lb. 4.65 - 4.75
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts.long ton.18.00 - —
c.l., spot, nearby.long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long-ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., bbls., works..100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Sulphur, dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works .....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton.59.00 - —
leaf, bales.....ton.64.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .08½- .09¼
Sunflower seed, Calif., large, bgs. lb. .06½- .07
medium, bgs.....lb. .05¾- .06½
poultry, bgs.....lb. .05½- .06
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 Nom.

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96.98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l. mills.....ton.17.00 - —
98-99½% 325 mesh,bgs.,c.l., mills..ton.15.25 - —
l.c.l. mills.....ton.17.25 - —
99.85-99.95% 325 mesh, bgs., c.l., mills..ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Import, Canad., bgs., c.l., dlvd..ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .08¾ Nom.
extra, loose, works.....lb. .08⅛- —
special, loose, works.....lb. .08 - —
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06½- .07
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk....unit-ton. 3.50 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 3.50 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago..unit-ton. 3.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.25 & .10
Import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f. ports, shipt. unit-ton. 3.80 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03¼- .05¼
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l. same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l. same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .80 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Alpha, denat. grade, dms., c.l. lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms..works.lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms, works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, crs.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .09½- .10
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26 - —
5 tons, same bases....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .40½- .41
Metal, Straits.....lb. .57¼- —
Oxide, bbls.....lb. .58 - .60
Tetrachloride, anhyd., bbls..lb. .29 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons) E., frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium calcium or magnesium base, bgs., c.l., E. frt. alld.....lb. .05⅞- —
Pac. cst., f.o.b. terminal, lb. .05⅞- —
l.c.l., E. dlvd.....lb. .06⅛- —
Pac. cst., ex whse..lb. .06⅛- —
under 50 lbs., E. dlvd.lb. .06⅞- —
bbls., c.l., E., frt. alld...lb. .06⅛- —
l.c.l., E. dlvd.....lb. .06⅜- —
Tolidin base kgs.....lb. .85 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l. works.....lb. .80 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, cn., dlvd.....lb. .30 - .41
dms., c.l., dlvd.....lb. .26½- —
500 lbs., dlvd.....lb. .27 - —
2, cns., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .25 - —
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethylene glycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms....lb. .34 - .38
Tripoli, air-floated, bgs., c.l., works..ton.25.00 - —
l.c.l., ex whse., N.Y....ton.40.00 - —
1 ton, works.....ton.30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs., c.l. works.. ton.17.00 - —
l.c.l., 1 ton, works.....ton.22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l., works..ton.15.00 - —
l.c.l., 1 ton, works.....ton.20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. 3.75 - —
tech., kgs.....lb. 2.75 - —
Turmeric root, Alleppey, bgs..lb. .05¾- .06¼
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .39 - —
l.c.l., 10, ex dock.....gal. .41 - —
5, ex dock.....gal. .43 - —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports..gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .37 - —
l.c.l., dlvd.....gal. .40 - —
tanks, dlvd.....gal. .32 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va...ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs.....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. NH_3 unit 1.00
Uva ursi leaves, bls.....lb. .22 - .25

V

Valerian root, 67s.....lb. .09 - .10
Valonia, beards, bgs., shipt..ton.47.00 - —
Cups, bgs., shipt.....ton.31.75 -33.25
Vanila beans, Bourbon, tins...lb. 4.25 - 4.50
Mexican, tins.....lb. 4.40 - 4.75
cut, tins.....lb. 4.25 - 4.50
South American, tins.....lb. 4.25 - 4.50
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
5-lb. tins, 2,000 lbs. or more, lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lbs. or more, lb. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
Vanillin, ex eugenol, 1-oz. tins, 2,000 lbs. or more.....lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.80 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .47 - .49
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .60 - .61
tree, bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton.36.50 - —
Extract, bbls.....lb. .04⅝- .04½
Wax, bayberry, import, bgs...lb. .17 - .17½
Bees, white, bleach, slabs., cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .29½- .30
1 bg.....lb. .30 - .30½
Brazil, Chile, bgs., 5-10 tons, lb. .32 - .32½
1 ton.....lb. .32½- .33
500 lbs.....lb. .33 - .33½
100 lbs.....lb. .33½- .34
refd., slabs, cs., lbs.....lb. .85 - .89
Candelilla, bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .14½- .15
Carnauba, bgs., No. 3 chalky 1 ton..lb. .36½- .37
5 bgs.....lb. .37 - .37½
1 bg.....lb. .37½- .38
N. C. 2, bgs.....lb. .40 - .40½
N. C. 3, bgs. 1 ton.....lb. .37 - .37½
5 bgs.....lb. .37½- .38
1 bg.....lb. .38 - .38½
refined, bgs.....lb. .41½- .42
yellow, 1, bg., 1 ton.....lb. .45½- .46
5 bgs.....lb. .46 - .46½
1 bg.....lb. .46½- .47
2 bgs.....lb. .44 - .44½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
136°-140° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .09½- .10
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, White).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bots. 5 lbs..lb. 1.99 - —
dms. .....lb. 1.86 - 1.88
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works.ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grd., bgs., c.l., works, ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp. bags., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works.ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l. works ton.11.50 - —
l.c..., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .55 - .65
Leaves, bls.....lb. .07½- .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .19 - .20
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), coml., dms., works	gal.	.35	—
tanks, E. of Omaha, frt. alld.	gal.	.30	—
W. of Omaha, works	gal.	.30	—
tanks, E. of Omaha, frt. alld.	gal.	.41	—
W. of Omaha, works	gal.	**	—
5°, dms., works	gal.	.41	—
tanks, E. of Omaha, frt. alld.	gal.	.36	—
W. of Omaha, works	gal.	.36	—
10°, dms., works	gal.	.38	—
tanks, E. of Omaha, frt. alld.	gal.	.38	—
W. of Omaha, works	gal.	.38	—
Xylidin, mixed, dms	lb.	.35	.36

Y

Yara yara, cryst., cns	lb.	1.25	1.50
Yellow, cadmium, CP, import., bxs.	lb.	1.80	2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.45	—
smaller lots, same basis,	lb.	.50	—
kgs., ton lots, same basis,	lb.	.50	—
smaller lots, same basis,	lb.	.55	—
sulphide, orange, bbls., works.	lb.	1.30	1.40
Chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.14½	—
open order	lb.	.15½	—
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.09	.11
Mercury oxide (see M).			
Ocher, Amer., golden, A, bbls., works	lb.	.06¼	—
B, bbls., works	lb.	.04½	—
C, bbls., works	lb.	.03½	—
yellow, A, bbls., works	lb.	.02¾	—
B, bbls., works	lb.	.02½	—
C, bbls., works	lb.	.02	—
D, bbls., works	lb.	.0195	—
E, bbls., works	lb.	.01775	—
F, bbls., works	lb.	.01½	—
G, bbls., works	lb.	.01½	—
H, bbls., works	lb.	.01⅜	—
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import.	lb.	.0235	—
New York (f.o.b.)	lb.	.02¼	—
Philadelphia, for import.	lb.	.02¼	—
Portland, Seattle	lb.	.03	—
San Pedro, S. Francisco.	lb.	.0290	—
l.c.l., ex dock, Balto., Boston, N. Orleans.	lb.	.0245	—
New York	lb.	.02⅝	—
Philadelphia, for import.	lb.	.02⅝	—
Portland, Seattle.	lb.	.03½	—
San Pedro, S. Francisco.	lb.	.03	—
ex whse., Balto., Boston N. Orleans	lb.	.0260	—
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis,	lb.	.03½	—
Minneapolis	lb.	.03¾	—
New York	lb.	.02⅝	—
Pittsburgh	lb.	.03½	—
Portland, Seattle.	lb.	.03¾	—
San Pedro, S. Francisco.	lb.	.03¼	—
f.o.b. N. Y. from dock.	lb.	.02½	—
from whse.	lb.	.02¾	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y.,	lb.	.04½	—
l.c.l., same basis	lb.	.04¾	—
synth., bbls., c.l., works	lb.	.06¾	—
l.c.l., works	lb.	.07	.07¼
Persian orange (see O).			
Zinc, bbls., same basis chrome CP, contracts.	lb.	.18	—
open order	lb.	.19	—
Yellow dock root, bls.	lb.	.10	.11
Yellow root (xanthoriza), bls.	lb.	.09	.10
Yerba santa leaves, bls.	lb.	.08	.09
Yohimbine hydrochloride, vls.	oz.	2.50	2.55

Z

Zinc, arsenate, bgs., cs., c.l., dealers, E. of Rockies.	lb.	.10½	—
l.c.l., bgs., cs.	lb.	.11	—
arsenite, bgs., c.s., c.l. dealers, of Rockies.	lb.	.10½	—
l.c.l., bgs., cs.	lb.	.11	—
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.			
Carbonate, tech., bbls.	lb.	.14	.15
USP, precip., powd., bbls.	lb.	.31	—
dms.	lb.	.36	—
kgs.	lb.	.33	—
Chloride, fused, dms., c.l., works.	100 lbs.	4.25	—
l.c.l., works	100 lbs.	4.60	—
gran., dms., c.l., works.	100 lbs.	5.00	—
l.c.l., dms., works.	100 lbs.	5.75	—
solution, dms., works	lb.	.04½	—
tanks, works	lb.	.02	—
Cyanide, kgs., works	lb.	.36	.38
Dust, bbls., c.l., dlvd	lb.	.0865	—
l.c.l., bbls., dlvd	lb.	.09¼	—
Fluoride, bbls.	lb.	.20	.25
Iodide, N.F., bots	lb.	4.15	—
jars	lb.	4.00	—
Metal (see daily quotations in Market report)			
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd.	lb.	.06¾	.07½
l.c.l., dlvd. except Pac. cst.	lb.	.07½	.07¾
ex whse., Pac. cst.,	lb.	.06½	.07¾
bbls., c.l., dlvd	lb.	.06½	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	.08
ex whse., Pac. cst.	lb.	.06¾	.08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼	—
l.c.l., dlvd., except ex whse., Pac. cst.	lb.	.06⅜	—
ex whse., Pac. cs.	lb.	.06⅜	—
bbls., c.l., dlvd	lb.	.06⅜	—
l.c.l., dlvd., except Pac. cst.	lb.	.06⅝	—
ex whse., Pac. cst.	lb.	.06⅝	—
35%, bgs., c.l., dlvd.	lb.	.06¼	—
l.c.l., dlvd., except Pac. cst.	lb.	.06⅜	—
ex whse., Pac. cst.	lb.	.06½	—
Zinc oxide, pigment, dom., Amer., process, leaded, 35%, bbls., dlvd.,	lb.	.06½	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	—
ex whse., Pac. cst.	lb.	.06¾	—
50%, bgs., c.l., dlvd.	lb.	.06⅝	—
l.c.l., dlvd., except Pac. cst.	lb.	.06⅝	—
ex whse., Pac. cst.	lb.	.06⅝	—
bbls., c.l., dlvd.	lb.	.06⅝	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	—
ex whse., Pac. cst.	lb.	.06¾	—
French process, coml., lead-free, bgs., c.l., dlvd.	lb.	.03¼	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½	.07¾
ex whse., Pac. cst.	lb.	.06½	.07¾
bbls., c.l., dlvd.	lb.	.06½	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	.08
ex whse., Pac. cst.	lb.	.06¾	.08
green seal, bgs., c.l., dlvd.,	lb.	.08	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¼	—
ex whse., Pac. cst.	lb.	.08¼	—
bbls., c.l., dlvd.	lb.	.08¼	—
l.c.l., dlvd., except Pac. cst.	lb.	.08½	—
ex whse., Pac. cst.	lb.	.08½	—
red seal, bgs., c.l., dlvd.	lb.	.07½	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¾	—
ex whse., Pac. cst.	lb.	.07¾	—
bbls., c.l., dlvd.	lb.	.07¾	—
l.c.l., dlvd., except Pac. cst.	lb.	.08	—
ex whse., Pac. cst.	lb.	.08	—
white seal, bgs., c.l., dlvd.	lb.	.08½	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¾	—
ex whse., Pac. cst.	lb.	.08¾	—
Zinc oxide, pigment, dom., French process, white seal, bbls., c.l., dlvd.	lb.	.08¾	—
l.c.l., dlvd., except Pac. cst.	lb.	.09	—
ex whse., Pac. cst.	lb.	.09	—
import., gold seal, cks., ex whse.	lb.	.13	.14
green seal, bbls., ex whse.,	lb.	.10	—
white seal, cks., ex whse.,	lb.	.11	.12½
Oxide, USP, bbls., c.l.	lb.	.09½	—
Palmitate, bbls.	lb.	.23	.25
Resinate, fused, pale, bbls.	lb.	.10	—
precip., dms., dlvd.	lb.	.15	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20	—
l.c.l., 1 ton	lb.	.21	—
1,000-2,000 lbs.	lb.	.22	—
less than 1,000 lbs.	lb.	.23	—
USP, bbls.	lb.	.21	—
Sulphate, cryst., bgs., c.l.	100 lbs.	3.15	—
l.c.l.	100 lbs.	3.90	—
bbls., c.l.	100 lbs.	3.30	—
l.c.l.	100 lbs.	4.00	—
flake, bgs., c.l.	100 lbs.	3.00	—
l.c.l.	100 lbs.	4.35	—
bbls., c.l.	100 lbs.	3.75	—
l.c.l.	100 lbs.	4.50	—
powd., bgs., c.l.	100 lbs.	5.00	—
l.c.l.	100 lbs.	5.75	—
bbls., c.l.	100 lbs.	5.15	—
l.c.l.	100 lbs.	5.90	—
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.09	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09¼	—
bbls., c.l. (20 tons), dlvd.	lb.	.09¼	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09½	—
Sulphocarbolate, NF, bbls.	lb.	.24	.26
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15	—
l.c.l., works	100 lbs.	5.50	—

Xylol—Zirconium

Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05	—
l.c.l., dlvd. except Pac. cst.	lb.	.05½	—
ex whse., Pac. cst.	lb.	.05½	—
Zirconium nitrate, kgs., works.	lb.	3.00	4.00
Oxide, crude, 73-75%, grd., bbls., works.	ton.	75.00	100.00
kgs., small lots, works.	lb.	.04¼	.04½
white, 98%, grd., kgs., works.	lb.	1.40	1.52

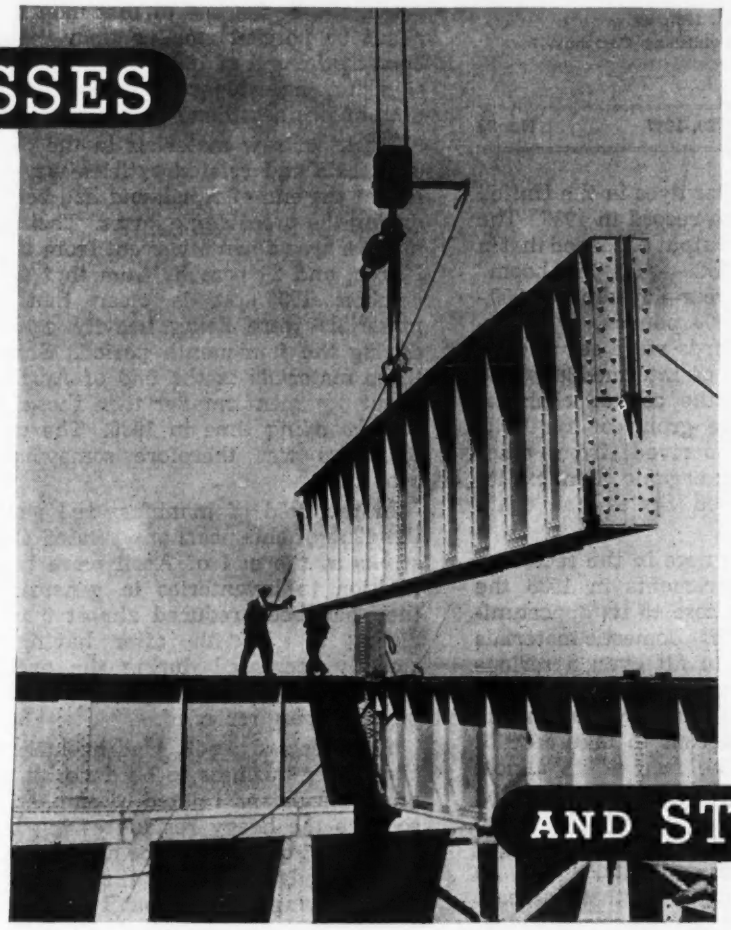
Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the June 7 issue; the next printing will be in the July 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 39.



New Jersey Zinc

. . . In paint films, too

CABLE AND OUTSIDE PAINT have one thing in common—both are subjected to stresses and strains in service.

Internal pressures are created as a paint film ages and the vehicle begins to lose its flexibility. These pressures, if not properly distributed, cause slight ruptures on the surface at first and, eventually, the common cracking and checking failure. This is now an established fact.

Further research proved that it can be a function of the pigment, through its particle structure, to relieve these stresses and strains and thereby extend the useful life of the paint film.

As a result, Cryptone MS-130, the zinc sulphide-magnesium pigment, was designed to provide the paint film with that property to enable it to "give and take" under these stresses and strains. Cryptone MS-130 introduces the effect of film distensibility, producing plasticization without attendant softness.

If you have not tested Cryptone MS-130, use the coupon to obtain a free sample.

The New Jersey Zinc Company

160 Front St., New York, N. Y.

Send me a sample of Cryptone MS-130.

(For Paint Manufacturers only)

Name.....

Address.....

.....

CRYPTONE MS-130

ZINC SULPHIDE-MAGNESIUM PIGMENT

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 12 Gold Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

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Oil, Paint and Drug Publishing Company, Inc.

Vol. 131 June 28, 1937 No. 26

Production of coaltar dyes in the United States set a new high record in 1936. The output exceeded that in 1929—the "big boom" year—by almost 8,000,000 pounds, or 7 percent. New high records were set also by the 1936 production of intermediates and synthetic resins in the coaltar chemical field and by a large group of synthetic organic chemicals derived from other bases. The synthetic organic chemical industry of the United States has again proved its mettle.

Dye Output Sets Record

It is interesting to note in the record of the industry's achievements in 1936 the manner in which it rose to its opportunities to demonstrate that domestic materials could be produced to fill even a serious breach in the customary line of supply. Domestic production of crude naphthalene was increased 88 percent to take care of growing needs in the face of an almost complete interruption of imports—and the price at the end of the year was the same as it had been at the beginning. A larger supply of domestic crude tar acids was also made available, but the actual increase cannot be shown because of the confidential nature of the data. To meet growing demands for other materials the domestic industry increased its output substantially, typical gains being 33 percent in phthalic anhydride, 40 percent in paradichlorobenzene, 25 percent in maleic anhydride, 12 percent in phenol.

Twenty years ago the synthetic organic chemical industry of the United States was doing mighty well for a youngster, especially in the field of intermediates. Its output of such materials was more than 60 percent of the record set in 1936. Ten years ago this output had diminished and was down to about 45 percent. Of dyes the industry twenty years ago made about 39 percent as much as it made in 1936. It had raised this to almost 75 percent in 1926. The industry has well deserved the faith that was placed in it in the days of war's extremities.

Prices of coaltar dyes are now from one-fourth to one-twelfth what they were twenty years ago. Many of them are far below prewar levels. The industry also fully deserves the trust that was reposed in it when it was provided with the tariff protection essential to its development.

It is evident from the records that the slump in buying—larger in aspect than in reality—noted in April was the result of a rather wide adoption of the practice of inventory reduction. The Department of Commerce shows that stocks of raw materials and manufactured products were reduced more than 8 percent during that month. This reduction had been going on for some time, because the index number of such stocks at the end of April was 23.5 percent lower than it was at the end of 1936. This reduction, plus the comparatively heavy buying during the first three months of the year, plainly indicates that the volume of business done was large.

Inventories Are Low

Stocks of manufactured goods were reduced about 3 percent during April, and less than 1 percent during the first four months of the year, having been substantially increased in January after the holiday depletion. Stocks of raw materials were reduced almost 13 percent during April, and at the end of that month were about 35 percent smaller than they had been at the end of 1936. It is in this division that the evidence of a gratifying volume of business done is strongest.

Stocks of raw materials in the class of chemicals and related articles were very low at the end of April, and had been low during the preceding quarter. Their index number was down 5 percent from that for March, and 29 percent from that for December, 1936. It is clear that these materials were being heavily consumed during the four-month period. Stocks of these materials at the end of April were about 3 percent smaller than those at the corresponding time in 1936. The outlook for sales was therefore somewhat improved.

In the field of manufactured goods in the class of chemicals and related articles, stocks at the end of April were large in relation to inventories in general. But, they had been reduced almost 5 percent during that month, after having been steadily increased during the preceding three months—a total gain of almost 18 percent being recorded.

These records spell good business done, and better business to be done by sellers of chemicals and related raw materials as soon as the heavy residue of big buying in the first quarter can be disposed of.

Everybody knows that there was far too much buying by distributors of chemical products during January and February, and somewhat too much during March. This has been attributed to a feeling that prices were going up. To this influence, sellers contributed not a little. They should not then have been puzzled by the curtailment in April. There is no fundamental reason why they should be troubled if buying has not yet got back to its first-quarter volume. All contributing factors considered, the volume is good. It must get still better, because distributors cannot keep on reducing their inventories.

—O-P-D—

It seems to be an inevitable conclusion that Congress will not give the Food and Drug Administration authority to control advertising of foods, drugs, and cosmetics. Whether specific distinction will be made for these articles in the Federal Trade Commission's control of advertising, or their advertising is to be merely an item in the general extension of the commission's functions, can only be conjectured.

Drug Ad Control

Elimination of advertising exaggeration is the desirable thing. The agency or the method selected will mean little if unreasonableness is avoided. For the sake of equity—and of efficacy—all advertising should be put in the same category.

—O-P-D—

Specific statutory authorization of the Federal Trade Commission to combat falseness and deception in advertising of drugs and cosmetics would but academically increase the power of the commission in this respect. Hundreds of cease and desist orders and stipulations afford evidence that the commission is waging apparently successful combat in this field. What is of greater pertinence in any consideration of what agency should administer or enforce the laws regulatory of practices in the drug and cosmetic industries, and how it should function, is the new venturing of the commission into the job of dealing prohibitively with the adulteration of articles of commerce.

F.T.C. Tackles Adulteration

Advertising is closely linked to misbranding as defined by the food and drugs act; is, in fact, but an extension of the label and "literature" now controlled by the act. It might be expected that label claims would be reached in the commission's fight against statements rated as competitively unfair. There is some reason for surprise, however, in the commission's issuing of an order prohibiting the sale as jams of fruit-flavored compositions whose content of fruit fell short of the household "standard" of a cup-for-cup ratio of fruit and sugar.

The practice on which the commission has laid a cease and desist order is one of those on the borderline between adulteration and misbranding, which it is difficult to reach by statutory definition. It is one against which no definitive statutory proscription has been laid, there being no legal or official standard for jam. But, it is a short step from short-fruit jam to substandard drugs, and there is no reason to feel that the Federal Trade Commission will not tackle the latter—if its procedure in the jam case gets by the courts. As this case was patterned on the baking powder ruling which the supreme court upheld, the commission is optimistic in respect of the outcome.

Perhaps not with optimism, but really with a deal of hope, the outcome of this latest departure in F.T.C. functioning is awaited by the Food and Drug Administration—and the hope of the latter is that the action of the commission will be upheld by the courts.

This is not so strange as it might seem to those who have known of the controversy between the two agencies over the delegation of control of advertising under the proposed new food and drugs act. The commission and the administration cooperated in the jam case—it will be recalled that products of this class were presented by the administration as representative of shortcomings in the existing act. Another thing that has tended to weaken the hands of the Food and Drug Administration is that interstate shipments to a large extent are being made by truck so that only relatively small lots of a suspected or contraband article can be seized.

The two agencies have reached a working agreement that should increase the efficacy of their opposition to unfair practices. It may be assumed that their fight over advertising control has been dropped, and that they will combine their forces for a closer meshing of the net with which adulterators, as well as misbranders and exaggerative advertisers, are to be dragged from the streams of commerce.

MANUFACTURING CHEMISTS SINCE 1849

YEARS of experience, continuous research, large capacity and ability to meet special and exacting requirements, gives us leadership in the World production of Citric Acid.

The physical uniformity and the high purity of our product are unexcelled by any other maker.

PFIZER QUALITY

CHAS. PFIZER & CO., INC.

NEW YORK
81 MAIDEN LANE

CHICAGO
444 W. GRAND AVE.

GRASSELLI *And* CHEMICALS

ARE INEVITABLY LINKED
IN THE MINDS OF
AMERICAN INDUSTRY

To the executives and engineers of America's process industries, the name GRASSELLI automatically means Good Chemicals.

It would be possible to record on this page a prominent group of process industries using GRASSELLI Chemicals—but a definite list of anything implies limitations.

GRASSELLI supplies chemicals from A to *Z*, serving industry from coast to coast. When YOU think of chemicals — think of GRASSELLI.

E. I. DU PONT DE NEMOURS & COMPANY, INC.

DU PONT — GRASSELLI CHEMICALS DEPARTMENT — GRASSELLI
Wilmington, Delaware

Albany Birmingham Boston Charlotte Chicago Cincinnati Cleveland Detroit Milwaukee New Haven New Orleans New York Philadelphia Pittsburgh St. Louis St. Paul

San Francisco, 584 Mission Street Los Angeles, 2260 E. 15th Street

Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Lead, Zinc Pigments Sales Increased in 1936

(Continued from page 3)

increased from 4,603 tons to 4,780 tons; and zinc sulphide from 15 to 29 tons.

Imports of zinc chloride dropped from 546 tons to 519 tons; while imports of zinc sulphate increased from 135 to 380 tons. Exports of zinc pigments improved in 1936. Shipments of zinc oxide from the country totaled 1,330 tons in 1936, compared with 1,140 tons in 1935, and shipments of lithopone were 2,538 tons, compared with 21,371 tons.

Sales of lead and zinc pigments and zinc salts by domestic manufacturers in 1936 compared with 1935 as follows:—

Total Sales

	1936 Short tons.	1936 Value. Total.	1935 Short tons.	1935 Value. Total.
Basic lead sulphate or sublimed lead—				
White	7,531	$863,268	7,572	$727,004
Blue	891	102,565	727	71,682
Red lead	34,896	4,657,322	28,776	3,492,141
Orange mineral	248	48,196	252	47,515
Litharge	86,246	9,966,563	79,930	8,286,339
White lead—				
Dry	34,775	4,367,337	27,972	3,481,988
In oil*	83,632	14,200,617	68,859	11,957,171
Zinc oxide	126,800	11,576,323	99,697	10,237,953
Leaded zinc oxide	40,512	3,508,673	29,976	2,791,808
Lithopone	158,319	12,976,754	159,486	13,470,274
Zinc sulphate	8,687	388,081	7,108	324,966

* Weight of white lead only, but value of paste.

Sales by Uses

White Lead, Dry and in Oil

	Short tons 1936.	1935.
Paints	113,363	91,297
Ceramics	2,653	1,834
Other	2,391	3,700
Totals	118,407	96,831

Red Lead

Storage batteries	20,323	17,657
Paints	11,786	8,721
Ceramics	807	867
Other	1,980	1,531
Totals	34,896	28,776

Orange Mineral

Color pigments	77	125
Ink manufacture	71	85
Other	100	42
Totals	248	252

Litharge

Storage batteries	*38,700	*36,067
Insecticides	14,662	14,665
Oil refining	7,259	7,869
Ceramics	7,762	6,751
Chrome pigments	8,407	7,356
Rubber	2,147	3,171
Varnish	2,307	564
Linoleum	280	280
Other	4,722	3,207
Totals	86,246	79,930

Basic Lead Sulphate

	Short tons 1936.	1935.
Paints	8,124	7,770
Storage batteries	28	....
Rubber	126	155
Other	144	374
Totals	8,422	8,299

Lithopone

Paint, varnish and lacquers	122,461	124,615
Floor coverings and textiles	23,085	19,440
Rubber	4,908	4,435
Other	7,865	10,996
Totals	158,319	159,486

Zinc Oxide

Rubber	72,885	57,734
Paints	33,149	25,289
Floor coverings and textiles	7,178	7,179
Ceramics	6,102	4,028
Other	7,486	5,467
Totals	126,800	99,697

Leaded Zinc Oxide

Paints	40,156	29,632
Rubber	32	36
Other	324	308
Totals	40,512	29,976

* In addition 34,000 tons of black or grey oxide in 1935 and 41,000 tons in 1936 were produced by the makers of storage batteries in their own plants.

Bradley Dewey Made Life Member of M.I.T. Governors

Bradley Dewey, president of the Dewey & Almy Chemical Company, Cambridge, Mass., who has served five years as a term member on the Corporation of the Massachusetts Institute of Technology, has been elected a life member of the institute's governing board. Mr. Dewey is a graduate of Harvard University and a graduate of the institute in the class of 1909.

Mr. Dewey has long been interested in institute affairs, both alumni and administrative, having been president of the Technology Alumni Association in 1931-32. He has been a member of the alumni council since 1921. As a term member of the corporation he has been active on various committees, including membership on the visiting committee of the Department of Mining and Metallurgy.

Heavy Chemicals

General Demand Dull—Sulphuric Acid Strong—Soda Silicofluoride Easier—Good Call for Chlorine—Alumina Sulphate Firmer —Agricultural Insecticides Quiet—Antimony Metal Slow

Demand in the market for industrial chemicals was slower during the week just closed. The slower call was attributed to depressed seasonal influences becoming more pronounced, together with the wide spread labor unsettlement. Certain products were active at times, such activity reflecting the building up of inventories on products that have been raised in value for the third quarter.

Sellers in all quarters of the market were busily engaged in writing business for the third quarter as well as making price adjustments. A good volume of business was noted in such acids as sulphuric, muriatic, nitric and battery, the price schedules for which were issued in the previous week, and in all instances, with the exception of nitric acid, the prices were higher. Methyl chloride was in fair demand. Soda silicofluoride appeared easier. Alkalies were in good demand. Alumina sulphate noted a fair demand and an active interest was noted in ammonia and potash alums. Antimony metal was quiet. Chlorine was firm. Labor unsettlement in the steel industry, plants of certain major independent producers being closed down, was the outstanding development in the labor situation. Agricultural insecticides and fungicides were quiet. Soda phosphate was firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.3	154.3	154.3	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.8	99.8	99.6	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—A firm price tone prevailed in this market again last week. Sellers reported a good demand was noted for ammonia and potash alums. Buying of commercial and iron-free sulphate was fair. No change was disclosed in quotations.

Ammonia Aldehyde.—A firm tone was noted in this direction. Sellers reported demand was spotty.

Ammonia, Anhydrous.—A firm tone continued in prominence in this market during the week. Sellers reported a substantial volume of business was moving against contracts.

Ammonia, Aqua.—Shipments were moving against contracts at a good pace throughout the week. Sellers reported quotations have been extended for the next quarter.

Ammoniac, Sal.—Business in gray and white sal ammoniac continued at a fair pace throughout the week just ended. Prices displayed a steady to firm tone. The call came from routine sources.

Antimony. — Demand was spotty. Prices held unchanged. Declared exports of antimony regulus from China to the United States, as reported by the American consular offices, were 35.7 long tons in May, compared with 45 tons in April; of oxide, 75 tons, against 17 tons in April, and of crude, 30 tons, against 55 tons in April. Of this, 5 tons of crude were from Shanghai and the rest was from Hankow. Hunan production was 1,100 tons in May, and by the end of the month stocks were 2,300 long tons, against 3,700 tons in April, of which 1,000 tons were at the mines, 1,300 tons at Changsha, and none at Hankow. During the first three months of 1937 there was no movement of antimony from the mines to Changsha. The miners and smelters declared a boycott against the Antimony Administration as a means of combating the price-dictating policy of the Administration, with which they are not sympathetic. The alleged agreement of miners to restrict production to 75 percent of normal in January, 50 percent in February, and 25 percent in March is not believed to have been adhered to strictly, inasmuch as reported stocks on hand at the mines at the end of the first quarter (2,800) tons would indicate an average production rate of 75 percent of normal instead of 50 percent of normal for the first three months of 1937. It seems quite probable that the Antimony Administration will succeed in forcing its wishes on not only the exporters but also the producers of antimony, although up to the middle of April it was not reported that the administration has either bought or sold a single ton of antimony. With total stocks in China covered by export permits estimated to be not much over 200 tons at the end of March, part of which was already sold for shipments abroad, it seems to be only a question of time before the administration will function as it wishes. Exporting firms apparently have no other means of getting antimony than through the administration, since it is understood that the customs authorities will not allow the movement of cargo not covered by a permit issued by the administration. Producers have large stocks on hand, which, for financial reasons, it is believed they will not be able to hold much longer, much as they may desire to do so. By late March negotiations had begun between representatives of the producers and the Antimony Administration to settle their differences. These negotiations have continued into mid-April without a definite settlement having been reached. The biggest bone of contention is the scale of prices the administration has set for the purchase of antimony at Changsha.

Antimony Oxide.—An irregular demand was reported in this market. Quotations ruled firm.

Arsenic.—Shipments of white arsenic were moving to routine consumers at a fair pace throughout the week. No change was disclosed in prices. The call for red arsenic was fair. Prices ruled steady to firm.

Barium Salts.—This market revealed little variation from recent weeks, the call for carbonate and chloride was spotty. Prices held steady. There was little to report in the market for hydrate and nitrate products, prices were steady and demand was considered fair.

Bleaching Powder.—A good call was in evidence for this product again last week, shipments were moving against contracts to the extent of full contract allotments. A firm tone governed the dealings.

Blue Vitriol. — Shipments were of moderate volume throughout the week, prices were firm. The firmness in the price tone could be traced to the presence of a similar tone in the basic metal. Shipments were running ahead of the same period a year ago.

Calcium Acetate.—A fair demand was registered in this market again last week. Price ruled unchanged.

Calcium Chloride.—Substantial quantities were moving to the agricultural areas and in other directions, the material was being used in road work, and prices were decidedly firm.

Carbon Tetrachloride.—Important developments were lacking in this direction during the week, routine consumers were taking fair-sized quantities, and quotations were well maintained.

Chlorine.—A decidedly firm tone prevailed in this market again last week, with the call equivalent to production, and producers reported no change in quotations. A large volume of business was reported on the books for forward delivery.

Copper.—A firm tone was reported in this product again last week, demand was considered fair. Monthly

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

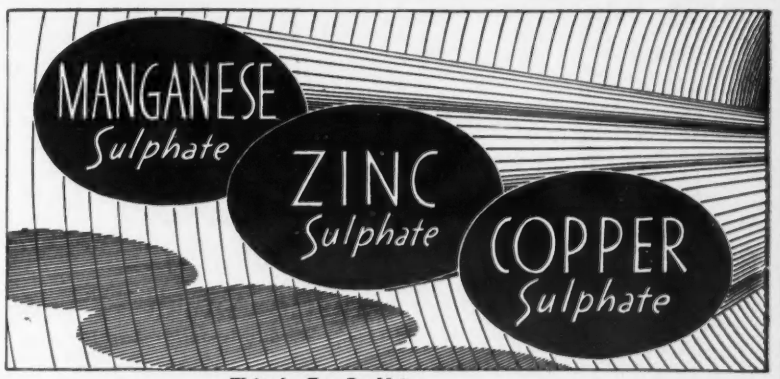
Potassium Meta Bisulphite
JUNGMANN & CO., Incorporated
BArclay 7-5128
157 Chambers Street New York

TURNER

LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
83 EXCHANGE PL. PROVIDENCE
RIDGEFIELD, N. J. 630 FIFTH AVE., NEW YORK
80TH ST. & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

BARIUM HYDRATE
LAPORTE BRAND
High Grade Quality for Manufacturers of Glass, Accumulators, Paints, Colors and for Delustring Silk
STOCKS AVAILABLE FOR PROMPT DELIVERY FROM
HENRY SUNDHEIMER, INC.
Telephones: AShland 4-4817-4818
103 PARK AVE., NEW YORK, N. Y.



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IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

To meet the need of American industry for a reliable domestic source of supply for certain raw materials, Solvay produces, in addition to its complete line of quality alkalies, the following products:

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK
Branch Sales Offices
Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Indianapolis, Kansas City, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, Syracuse

sales of copper have been steadily declining, with the present month indicating an average of about 1,000 tons per day disposed of or around the same levels as during tenure of the NRA Code of Fair Practice. In May sales aggregated 43,132 tons, April 26,143 tons, March 41,252 tons and February about 75,000 tons. Many in the industry feel that even though there has been a falling off in new business recently, consumers because of their continued small buying, must of necessity be depleting their own stocks on hand at their plants, and therefore producers entertain the hope that buying at least on a fair-sized scale should result in the not far distant future. Increase of 9,009 tons in domestic refined copper stocks during the month of May to 108,585 tons on hand, represented the first increase in such stocks since March, 1936, when stocks of refined copper locally gained 8,412 tons to 238,704 tons. At the same time domestic deliveries dropped 14,548 tons during May to 81,336 tons, while refined production gained 12,087 tons to 95,265 tons, the highest refined output in a number of years. Likewise primary mine output in May rose about 5,250 tons to 72,580 tons, also the top in a number of years. Scrap intake by custom smelter units during May dropped to a more normal level at 15,567 tons, as against the record monthly high figures of 27,667 tons during April. Exports of U. S. produced copper during May dropped to 4,920 tons from 9,166 tons in the preceding month. In domestic copper circles the interpretation placed on these figures, particularly with respect to higher refined production and larger primary output is that the refined gain is now beginning to reflect the higher mine output ordered in this country earlier in the current year, with such gains now finding their way into the refined or finished form.

Copperas.—A broad demand was recorded in this direction again last week. No change was uncovered in quotations. Operations in the steel industry were slightly lower.

Fluorspar.—An active interest was shown for this product again last week. Prices ruled unchanged. The active interest could be attributed to the call from the steel industry. Prices were decidedly firm.

Methyl Chloride.—Demand continued on a fair scale throughout the week, sellers were busily engaged in writing business on the basis of the new schedule, which becomes effective July 1.

Nickel Salt.—A favorable amount of business was transacted in this market for routine account. No change was uncovered in quotations.

Potash, Caustic.—A good demand was noted here, the call coming from the soap trade and other routine consumers. Prices were steady to firm.

Potash Chlorate.—A substantial buying movement was reported on the part of the fireworks trade. Prices ruled steady.

Potash Permanganate. — Another week, marked by a fair demand, was reported in this market during the week. Prices ruled firm at previous levels.

Saltcake.—The call from the paper and textile industries continued fair, with a representative buying interest shown by the glass trade. No change was uncovered in quotations.

Soda Ash. — Producers reported a good volume of business was transacted for routine account during the week. Prices held firm.

Soda Acetate.—Demand was fairly good at times during the week. No change was noted in prices.

Soda, Caustic. — Shipments against contracts were moving out in good volume during the week. Prices were without change. A substantial volume of business has been booked for third-quarter delivery.

Soda Chlorate.—This market experienced a fair demand again last week. Prices were unchanged. The active call was due to seasonal influences.

Soda Cyanide.—Electro-platers were withdrawing a fair volume of business against contracts. A firm tone prevailed.

Soda Fluoride.—The foodstuff industry continued to order out a fair volume of business against contract, prices were well held.

Soda Nitrite.—Producers were busily engaged in lining up business for the third quarter. The call indicated that buyers were covering for nearby needs. Prices were firm.

Soda Phosphate.—Producers were engaged in booking third quarter business at scheduled levels, a firm tone having been noted in the market over the past month.

Soda Silicofluoride.—Demand was irregular in this market, the price tone tended toward easiness. Sellers were quoting 5¾c. to 6c. per pound.

Soda Silicate.—Prices have been extended for the third quarter. Demand was considered good.

Tin Salts.—A barely steady tone was noted in this direction last week, reflecting the fluctuations in the basic metal. World production of tin in the first four months of this year amounted to 60,646 tons, an increase of about 5,600 from the corresponding period of 1936, according to the International Tin Research and Development Council. Tin used in the first four months of this year amounted to 65,636 tons, against 54,691 a year before. World use of tin in the twelve months to April 30, last, was 173,683 tons, against 156,391 in the preceding twelve months. The increase was due principally to the larger consumption in the United States, which used 17,800 tons more.

Acids

The market for the various acids moved through a quiet week, producers were busily engaged in all quarters of the market in soliciting third quarter business. Considerable progress was reported to have been made in booking business on sulphuric acid, muriatic acid and nitric acid as well as on battery acid. Prices appeared firm at the levels issued for the third quarter. Chromic acid demand continued good at times during the week. Boric acid experienced a fair demand. Acetic acid moved through a relatively quiet week, but no change was uncovered in quotations.

Acetic.—A fair buying movement was noted in this market. Prices ruled unchanged.

Battery. — Business continued good during the week, sellers were busy writing third-quarter business at the new price levels.

Boric.—This market displayed a firm tone throughout the week. Prices were extended to cover the third quarter. Shipments against contracts were good.

Chromic.—A good inquiry was reported for this product at times during the week. A firm tone prevailed.

Formic.—This product was in favorable demand throughout the week. No change was disclosed in quotations.

Lactic.—Shipments were moving out to the beverage trade as well as to the tanning industry at a fair pace. Prices ruled unchanged.

Muriatic.—A good inquiry was reported for this product, and the market continued firm. Sellers were soliciting third quarter business at slightly higher levels.

Nitric.—Demand was good again last week. A good volume of business has been booked for shipment during the third quarter, the schedule for which was issued in the previous period.

Sulphuric.—A substantial demand was reported in this market again last week, prices appeared strong at the levels announced for the third quarter, and producers reported a good volume of business has been already placed on the books for delivery during that period. Steel mill operations were lower.

BALTIMORE, June 23.—Conditions with regard to sulphuric acid are about as they have been, with the demand in excess of the available supplies and with brokers here endeavoring to place business for clients who did not protect themselves with contracts placed at the start of the year. There is also some trading in acid on account of producers who have calls for stocks at figures more or less above the nominal quotations, which still stand at $12.50 per ton for 60 degree acid and at $16 per ton for 66 degree acid. It is being shown, however, that the production does not come up to the requirements of acid users, and efforts to locate supplies are meeting with very indifferent success or complete failure. Sooner or later, of course, the deficiency will be made good by the opening of new plants. One of these establishments expected to get into production about July 15 will add 300 tons a day to the available output, and there are reports of factories being planned elsewhere. Oleum in a way parallels the market for acid, being in good demand, with the current quotations at $17.10 per ton for 20 percent supplies.

Insecticides

Business in the market for agricultural insecticides and fungicides continued fair during the week. Prices were steady. Arsenicals were in fair demand at times during the period under review. In the cotton belt

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

the temperature averaged considerably above normal in the North and near normal in the South. Rainfall was moderate to heavy in much of the Eastern belt, and light to only moderate in most other sections. In general, the weather continued favorable for the cotton crop, but there are additional reports of weevil activity in moister sections of the eastern half of the belt. Nicotine sulphate was steady.

Bordeaux Mixture.—Demand was fair throughout the week. Prices were firm.

Calcium Arsenate.—This market noted a fair demand throughout the week. No change was disclosed in quotations.

Lead Arsenate.—Interest continued fair, and quotations were well maintained.

Nicotine Sulphate.—This market noted a firm tone throughout the week. Demand was fair.

Chemical Employment And Payrolls Down

(Continued from page 3)

bers for the chemical group of industries show the following comparisons:—

Employment

(100=1923-25 average)

	May. 1937.	April. 1937.	May. 1936.
Chemicals	137.5	135.6	117.2
Cottonseed oil, cake and meal	47.8	58.7	44.1
Druggists preparations	108.1	111.5	100.7
Explosives	90.5	92.4	77.7
Fertilizers	105.7	151.6	96.2
Paints and varnishes	140.1	138.2	128.0
Petroleum refining	123.6	122.0	116.5
Rayon and allied products	384.0	378.1	335.6
Soap	104.3	107.6	95.8

Payroll Totals

(100=1923-25 average)

	May. 1937.	April. 1937.	May. 1936.
Chemicals	151.9	150.6	111.3
Cottonseed oil, cake and meal	42.3	50.3	32.3
Druggists preparations	117.9	119.8	102.1
Explosives	104.2	107.6	76.7
Fertilizers	118.3	150.9	93.1
Paints and varnishes	144.7	142.1	120.2
Petroleum refining	137.3	137.0	110.0
Rayon and allied products	382.0	364.8	273.3
Soap	113.4	116.4	93.9

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	May 1937.	April 1937.	May 1937.	April 1937.
Metalliferous mining.	78.3	76.2	79.7	76.6
Quarrying and non-metallic mining	54.9	53.1	51.4	48.2
Crude petroleum producing	76.5	77.7	68.5	69.1
Dyeing and cleaning.	88.8	85.0	73.9	68.9

Employment in New York

General factory employment and payrolls in New York State showed almost no net change from the middle of April to the middle of May, according to the records of the State Department of Labor. The factories included in the May tabulation showed an increase of 0.1 percent in employment and a decrease of 0.1 percent in payrolls. The department's general factory index numbers, May 15, 1937, (100=1925-27 average) were employment 89.6, and payroll totals 86.4.

April Compared with March

	Percentages.
Drugs and industrial chemicals	+4.5
Oil products	—3.2
Photographic and miscellaneous chemicals	+1.9

'Bakelite' Held Bar to 'Beckacite' Registration

(Continued from page 3)

that the various trademarks of the appellant were so similar to the "Bakelite" mark of the opposer that confusion in trade might result from their concurrent use on products so similar.

The first of the nine cases, and one which is typical, involved the proposed registration of "Beckacite" for use on a special type of synthetic resin suitable for use solely in the paint, varnish, and lacquer industry. The opinion states that the Bakelite Corporation, using its "Bakelite" mark, was, at the time Beck, Koller & Co. entered the field, also selling synthetic phenolic resin manufactured into spirit varnishes. "Both resins were made from phenol. Both resins," the court said, were used for varnishes, and it added, "The mere fact that the resins had different properties or that the ultimate product made from them was used in a slightly different way and sold, at that particular time, to different customers does not alter the situation."

Frank Kay, president of the Barclay Chemical Company, this city, and Mrs. Kay, are receiving congratulations on on the arrival of a baby girl, born June 20.

Monsanto Starts New Phosphorus Production

Power has been turned on the first electric furnace at the Monsanto Chemical Company's new phosphorus plant at Monsanto, Tenn., and, according to company officials, the furnace is operating satisfactorily. The second and third furnaces are scheduled to begin production shortly after July 1.

These furnaces have the largest capacity of any yet constructed in this country. The company has invested in excess of $3,000,000 in the plant.

Continental Carbon Orders Specially Built Tankcars

The Continental Carbon Company, which recently entered the carbon black field with a new 160-acre plant at Sunray, Texas, has placed an order for specially constructed tankcars to be used to transport Continental's dustless carbon black. These cars are loaded at the top and have special unloading hoppers through which the black is released into conveyors at the customer's plant. Sealed openings at the sides provide easy access for sampling. Large users of carbon black such as the big rubber companies, have found this method of transportation not only more convenient but cleaner and more economical. Continental's cars are being constructed to meet the increasing demands for carbon black delivered in this efficient way.

Chrome Yellow Paint Standard Set by U.S.

WASHINGTON, June 24, 1937.

The Director of Procurement in the Treasury Department has approved a new Federal specification for medium chrome yellow ready-mixed outside paint. The new specification (TT-P-53) will become effective September 1.

Copies of the specification may be procured from the Superintendant of Documents, Government Printing Office, Washington, at 5 cents each.

National Paint Salesmen Pick Headquarters for Convention

The National Paint Salesmen's Association committee on arrangements has selected the Senator hotel, Atlantic City, as headquarters for the first national convention of the organization to be held September 24 to 26. The committee meeting was held in Newark, June 12, and William A. Robertson, president of the national association, presided. Twenty-one members were guests of the New Jersey association at the luncheon.

Mr. Robertson announced appointment of the following chairmen of committees:—Entertainment, Martin Marks; program and badge, H. A. Loewenstein; hospitality, George Herbst; publicity, Ralph Ebeling; press, George Priest.

John A. Hellawell, first president of the New York Club, which was the first paint salesmen's club in existence, was presented to the Newark meeting and, on motion of the president, was made honorary member of the National association.

Pfizer Baseball Team Has Fine Start in New Season

Resuming its championship brand of baseball, which gave it the leadership last year in division B of the Brooklyn Industrial League, the team of Charles Pfizer & Co., chemical manufacturer, has got off to a fine start in the 1937 season. The team has won six of its seven games played.

June 23 the Pfizer nine added the fourth to a string of straight victories. The rival teams and the scores in these four games were as follows:—

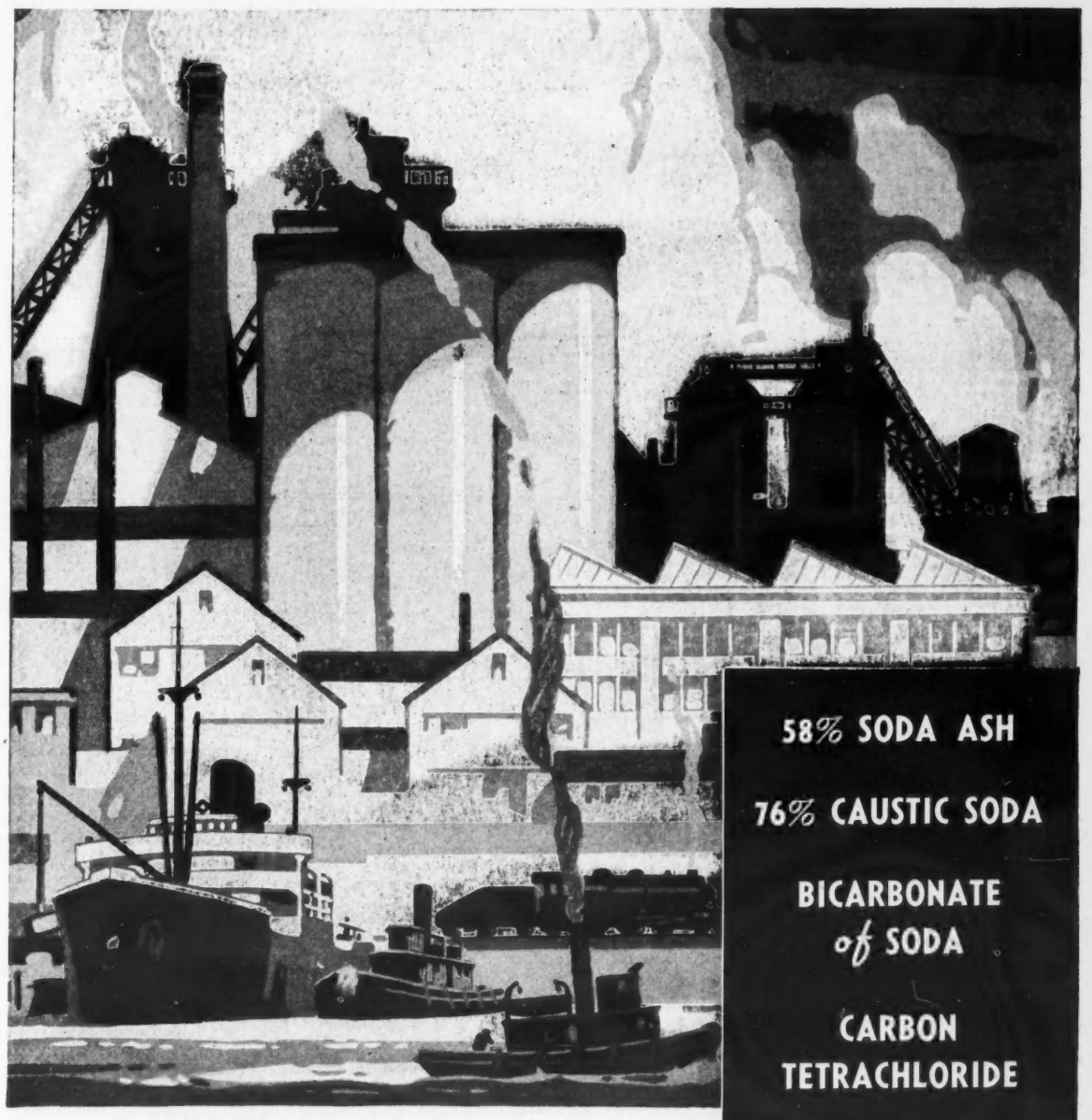
B. M. T.	5 to 1
A. & S.	10 to 6
A. T. & T.	21 to 0
Squibb	4 to 2

N.P.V.L.A. Executive Group to Meet July 22

WASHINGTON, June 23, 1937.

The executive committee of the National Paint, Varnish and Lacquer Association has been called to a meeting July 22 in Chicago. The meeting will be held in the Palmer house, beginning at 10:30 a.m. (D.S.T.).

Frank L. Sulzberger, of the Enterprise Paint Manufacturing Company, Chicago, is chairman of the committee.



Coaltar Dyes, Chemicals in 1936

(Continued from page 5)

Dyes and Other Synthetic Organic Chemicals

Production and Sales, 1925-30, 1935, and 1936

Coaltar chemicals.	1925-30 average.	1935.	1936.	Increase 1936 over 1935.
Intermediates—				
Production, pounds	267,492,000	436,656,000	509,706,000	16.7
Sales, pounds	109,133,000	190,917,000	223,119,000	16.9
Sales value	$22,408,000	$26,074,000	$31,806,000	22.0
Finished coal-tar products[1]—				
Production, pounds	138,078,000	[2]272,728,000	[3]335,091,000	22.9
Sales, pounds	133,964,000	[2]230,381,000	[2]286,033,000	24.1
Sales value	$65,027,000	[2]$98,792,000	[2]$119,498,000	20.9
Dyes—				
Production, pounds	94,003,000	101,933,000	119,233,000	17.0
Sales, pounds	92,207,000	97,954,000	117,256,000	19.7
Sales value	$39,428,000	$51,488,000	$62,822,000	22.0
Medicinals—				
Production, pounds	4,508,000	10,023,000	12,034,000	20.0
Sales, pounds	4,106,000	8,950,000	10,079,000	12.6
Sales value	$7,464,000	$8,372,000	$9,762,000	16.6
Flavors and perfume materials—				
Production, pounds	3,966,000	4,364,000	3,481,000	[4]20.2
Sales, pounds	3,919,000	4,080,000	3,436,000	[4]15.8
Sales value	$2,901,000	$3,172,000	$3,220,000	[4]1.5
Coaltar resins—				
Production, pounds	[5]24,442,000	[2]90,913,000	[2]116,334,000	28.0
Sales, pounds	[5]22,135,000	[2]65,923,000	[2]85,286,000	29.3
Sales value	[5]$7,756,000	[2]$12,777,000	[2]$16,652,000	30.3

[1] Includes color lakes, rubber chemicals and miscellaneous coaltar products not shown separately.
[2] Does not include coumarone and indene resins.
[3] Does not include resins derived from coumarone and indene, styrol, hydrocarbons and sulphonamides.
[4] Decrease.
[5] 1927-30 average.

Coaltar Intermediates

Production and Sales, 1936

(Statistics omitted are not publishable)

Intermediates.	Total production, Pounds.	Sales—Pounds.	Sales—Value.	Sales—Unit value.
Total intermediates	509,705,955	223,118,979	$31,805,792	$0.14
Acetanilide, tech	180,240	.....	.....	....
Acetyl-p-phenylenediamine (p-amino-acetanilide)	238,583	.....	.....	....
Aminoazobenzene and hydrochloride	208,381	.....	.....	....
Aminoazobenzene sulphonic acid	115,447	.....	.....	....
Aminoazotoluene	221,563	.....	.....	....
p-Aminobenzoyl J acid	64,143	.....	.....	....
1-Amino-2-naphthol-4-sulphonic acid	1,576,327	.....	.....	....
1-Amino-8-naphthol-4-sulphonic acid	82,622	.....	.....	....
1-Amino-8-naphthol-2:4-disulphonic acid (Chicago acid)	114,257	.....	.....	....
1-Amino-8-naphthol-3:6-disulphonic acid (H acid)	3,509,896	.....	.....	....
2-Amino-5-naphthol-7-sulphonic acid (J acid)	473,146	.....	.....	....
2-Amino-8-naphthol-6-sulphonic acid (gamma acid)	1,062,399	136,953	102,516	.75
o-Aminophenol	25,435	25,560	29,850	1.17
p-Aminophenol and hydrochloride	660,030	400,673	270,454	.68
Aniline disulphonic acid	40,947	.....	.....	....
Aniline oil	38,495,386	14,955,096	1,648,545	.11
Aniline omega sulphonic acid	81,968	.....	.....	....
Benzidine hydrochloride and sulphate	1,680,837	191,503	104,677	.55
Benzidine disulphonic acid	4,148	.....	.....	....
Benzoic acid, tech	95,431	86,873	26,265	.30
Chloroanthraquinone	374,294	.....	.....	....
Chlorobenzoyl benzoic acid	1,012,669	.....	.....	....
2-Chloro-1:4-dihydroxy anthraquinone (chloroquinizarin)	29,447	.....	.....	....
Chloromethylanthraquinone	86,682	.....	.....	....
o-Chloro-p-nitroaniline	110,141	.....	.....	....
Chlorotoluene	231,985	.....	.....	....
Chlorotoluidine sulphonic acid	263,250	.....	.....	....
Cumidine	10,752	.....	.....	....
Diaminoanthraquinone	107,867	.....	.....	....
Diazosalicylic acid	84,049	.....	.....	....
Dichloroaniline	241,113	81,062	34,739	.43
Dichloroaniline sulphonic acid	35,711	.....	.....	....
o-Dichlorobenzene	3,226,899	2,958,375	134,300	.05
p-Dichlorobenzene	9,581,401	9,204,133	934,313	.10
Dinitrobenzene	1,816,496	.....	.....	....
Dinitrochlorobenzene	8,254,081	727,530	87,792	.12
Diphenyl epsilon acid	34,513	.....	.....	....
Ethylbenzylaniline sulphonic acid	435,219	.....	.....	....
Ethylbenzyl-m-toluidine sulphonic acid	33,319	.....	.....	....
b-Hydroxy naphthoic acid	823,856	525,347	504,551	.96
Metanilic acid	406,060	.....	.....	....
Naphthalene, solidifying 79° C. or above (refined, flaked), total	52,694,140	30,499,363	1,841,470	.06
From domestic crude	23,797,714	.....	.....	....
From imported crude	28,896,426	.....	.....	....
1:5-Naphthalene disulphonic acid	313,802	.....	.....	....
2:7-Naphthalene disulphonic acid	93,026	.....	.....	....
a-Naphthol	1,140,354	.....	.....	....
b-Naph hol, tech	15,168,948	.....	.....	....
1-Naphthol-4-sulphonic acid (Nevile & Winther's acid)	192,957	.....	.....	....
1-Naphthol-5-sulphonic acid	106,633	20,984	12,761	.61
2-Naphthol-6-sulphonic acid (Schaeffer's acid)	244,749	32,175	12,499	.39
2-Naphthol-7-sulphonic acid	51,121	.....	.....	....
2-Naphthol-3:6-disulphonic acid	638,030	163,457	83,191	.51
2-Naphthol-6:8-disulphonic acid	1,365,855	.....	.....	....
a-Naphthylamine	3,479,594	.....	.....	....
1-Naphthylamine-5-sulphonic acid (Laurent's acid)	174,937	.....	.....	....
1-Naphthylamine-8-sulphonic acid	412,195	.....	.....	....
1-Naphthylamine-3:8-disulphonic acid	70,451	.....	.....	....
1-Naphthylamine-4:8-disulphonic acid	341,011	.....	.....	....
1-Naphthylamine-3:6:8-trisulphonic acid	4,937,113	.....	.....	....
2-Naphthylamine-1-sulphonic acid (Tobias acid)	1,042,570	497,143	316,471	.64
2-Naphthylamine-6-sulphonic acid (Broenner's acid)	40,077	.....	.....	....
2-Naphthylamine-4:8-disulphonic acid	221,731	.....	.....	....
Nitroaminophenol	127,232	.....	.....	....
m-Nitroaniline	194,250	111,847	68,142	.61
p-Nitroaniline sulphonic acid	101,835	.....	.....	....
Nitrobenzene	53,669,834	4,304,101	312,304	.07
p-Nitrochlorobenzene-o-sulphonic acid	308,966	.....	.....	....
Nitronaphthalene	4,558,609	.....	.....	....
Nitrosodimethylaniline	44,498	.....	.....	....
Nitrosophenol	589,178	.....	.....	....
p-Nitrotoluene-o-sulphonic acid	989,086	.....	.....	....
m-Nitro-p-toluidine	634,278	625,861	789,430	1.26
Phenol	48,723,900	40,941,716	4,234,643	.10
Phenyl-2-amino-5-naphthol-7-sulphonic acid (phenyl J acid)	59,661	.....	.....	....
m-Phenylenediamine	746,528	.....	.....	....
m-Phenylenediamine sulphonic acid	77,480	.....	.....	....
Phenylglycine, sodium salt	7,219,554	.....	.....	....
Phenylhydrazine-sulphonic acid	76,499	.....	.....	....
Phenyl-1-naphthylamine-8-sulphonic acid	292,183	.....	.....	....
Phthalic acid and anhydride	31,244,378	22,905,873	2,824,471	.12
Picramic acid and salt	116,437	.....	.....	....
Sulphanilic acid and salt	1,678,296	.....	.....	....
Tetramethyldiaminodiphenylmethane	692,943	.....	.....	....
m-Tolylenediamine	1,159,945	374,424	237,150	.63
Xylidine, ortho and para	37,648	.....	.....	....

Dyes and Other Finished Coaltar Products

Production and Sales, 1936

Dyes—	Production. Pounds.	Sales—Pounds.	Sales—Value.	Unit value.
Classified	104,068,929	103,105,580	$46,497,383	$0.45
Unclassified	15,164,622	14,151,196	16,324,800	1.15
Totals	119,233,551	117,256,776	$62,822,183	$0.54
Color lakes and toners	15,352,334	18,575,454	10,177,276	.75
Medicinals	12,033,857	10,079,473	9,762,555	.97
Flavors and perfume materials	3,480,981	3,436,761	3,220,388	.94
Resins[1]	116,334,635	85,285,926	16,652,415	.20
Rubber chemicals	30,753,901	21,563,223	8,391,067	.39
Miscellaneous[2]	37,902,097	34,835,741	8,471,866	.24
Totals[1]	335,091,356	286,033,354	119,497,750	$0.42

[1] Does not include resins derived from coumarone and indene, styrol, hydrocarbons and sulphonamides.
[2] Includes benzoate of ammonia, benzoate of soda, benzoyl peroxide, biological stains and chemical indicators, diazo salts, poisonous and tear gases, synthetic insecticides, naphthol AS and derivatives, synthetic tanning materials, textile assistants, photographic chemicals, and others.

Bids Wanted

Acetylene:—10,000 cubic feet; Commanding Officer, Springfield Armory, Mass.; circular 324, opening July 6.

Alcohol, Ethyl:—20,000 wine gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3265 opening July 6.

Aluminum Powder:—62,000 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1077, opening July 13.

Ammonia:—Supplies; Quartermaster Supply Officer, Fort Mason, San Francisco; procurement 928-451, opening July 2.

Ammonia Chloride:—10,200 pounds; for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1125, opening July 13.

Baking Powder:—10,920 pounds; Procurement Division, Veterans Administration, Washington; procurement 162-S, opening July 13.

Beeswax:—Supplies for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1084, opening July 13.

Bluing, Liquid:—Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Boiler Compound:—150,000 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1092, opening July 13.

Brushes: — 10,000; Commanding Officer, Springfield Armory, Mass.; circular 264, opening July 2.

Butyric Acid:—3,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 200, opening July 15.

Calcium Carbide:—425,000 pounds, for eastern yards and Puget Sound; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1088, opening July 13.

Calcium Chloride:—168,000 pounds; for Norfolk, Brooklyn and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1083, opening July 13.

Carbon Dioxide, Solid:—51,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 203, opening July 7.

Caustic Soda:—175,000 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1075, opening July 13.

Chrome Green:—15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Chlorine, Liquid:—52,500 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 203, opening July 7.

Coaltar:—10,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Copper Sulphate:—50,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Cuprous Oxide:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Cork, Compressed:—7,760 square feet; for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1119, opening July 13.

Cork, Ground:—6,640 pounds; for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1119, opening July 13.

Cresol Solution:—12,000 gallons for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1090, opening July 13.

Ester Gum:—24,000 pounds for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1110, opening July 13.

Ethyl Alcohol:—12,150 gallons; for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurement 1107, opening July 1.

Floor Polish:—Supplies: Procurement Division, Veterans Administration, Washington; procurement 159-S, opening July 7.

Gas:—Supplies as required during the fiscal year 1938; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 192, opening July 2.

Gelatin:—4,310 pounds; Procurement Division, Veterans Administration, Washington; procurement 164-S, opening July 16.

Gum Dammar, Batavia:—36,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 900-930, opening July 14.

Hydrochloric Acid:—2,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Lamp Black in Oil:—5,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Lard:—Supplies; Contracting Officer, Fort McClellan, Ala.; procurement 533-23, opening July 19.

Lard and Lard Substitute:—Supplies for various deliveries; Purchasing and Contracting Officer, Quartermaster Corps, Fort Sam Houston, Tex.; procurement 503-261, opening July 14.

Laundry Powder:—Supplies; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-74, opening July 15.

Mercury, Metallic:—1,600 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1091, opening July 13.

Mercuric Oxide:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Metal Polish: — Supplies; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-74, opening July 15.

450,000 pints for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1080, opening July 13.

Nitric Acid:—4,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; circular 879, opening July 1.

Oxygen:—144,100 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 203, opening July 7.
30,000 cubic feet; Commanding Officer, Springfield Armory, Mass.; circular 324, opening July 6.

Paint, Copper:—400 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Paint and Varnish Remover:—1,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Paraffin Wax:—3,300 pounds; Commanding Officer, Picatinny Arsenal, N. J.; circular 880, opening July 2.

Pigments:—Supplies for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1120, opening July 13.

Red Lead, Dry:—Supplies for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1114, opening July 13.

Rosin:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3265, opening July 6.

Scouring Compound:—12,300 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1094, opening July 13.

Scouring Powder:—Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Shaving Cream:—Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Shaving Soap:—Supplies; Procurement Division, Veterans Administration, Washington; procurement 160-S, opening July 8.

Shellac, Orange:—50,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 900-928, opening July 7.

Shoe Polish: — Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Soap, Laundry: — Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Soap Powder:—Supplies for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1079, opening July 13.

Soap, Toilet:—Supplies; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-74, opening July 15.

Soda Ash, Powdered:—58,000 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1089, opening July 13.

Soda Hydroxide:—48,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 203, opening July 7.

Sulphuric Acid:—600 tons; U. S. Engineer Office, Navy building, Washington; circular 95, opening June 29.

Sweeping Compound:—18,200 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1076, opening July 13.

Tooth Brushes:—Supplies; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-74, opening July 15.
Supplies; Quartermaster Depot, Philadelphia; procurement 669-358, opening July 12.

Tooth Paste:—Supplies; Quartermaster, Fort Oglethorpe, Ga.; procurement 641-74, opening July 15.

Philippine Relations Coast Hearing Is Set

(Continued from page 3)

trict Office, Bureau of Foreign and Domestic Commerce, 311 Customhouse, San Francisco.

Statements filed should be typewritten, processed, or printed. It is requested that fifteen copies be submitted in order to facilitate study of the briefs by each member of the committee. Brief supplementary oral statements may be made to the committee at the public hearing only by persons who, before July 21, have filed written statements and who have made application for a hearing. Applications for oral statements should indicate the approximate amount of time requested of the committee for the submission of views.

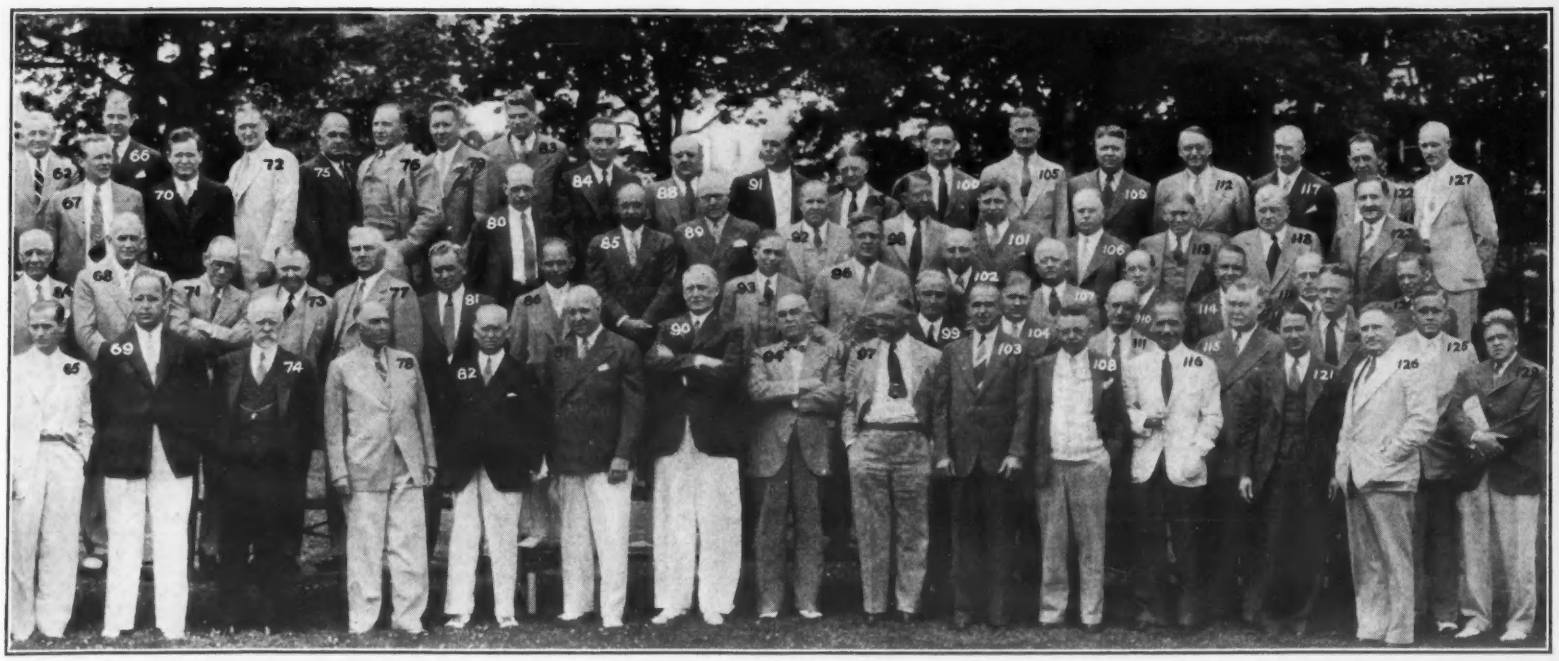
At the final hearing in Washington June 23, E. P. Thomas, president of the National Foreign Trade Council, argued for repeal of the tax on Philippine coconut oil. This proposal was vigorously opposed by A. M. Loomis, representing the National Dairy Union and the Association of Producers of Inedible Fats.

Arrangements are being made for the transfer from the Treasury of the United States to the Philippine Commonwealth of $50,000,000, the net proceeds of processing taxes on Philippine coconut oil, collected up to July 1.

M.C.A.—S.O.C.M.A. 1937 Group at Absecon

Members of the Chemical Industry Attending the Annual Meeting of the Manufacturing Chemists Association And the Outing of the Synthetic Organic Chemical Manufacturers Association At Seaview Golf Club June 3 and 4

1. R. C. Jeffcott
2. B. M. Van Cleve
3. R. E. Wilkin
4. E. C. B. Kirsopp
5. R. L. Curtis
6. J. E. Bonnabeau
7. J. H. Babcock
8. J. R. Frorer
9. Glenn Haskell
10. Elmer Heubeck
11. W. I. Galliher
12. Louis Neuberg
13. R. E. Dorland
14. A. A. Hoffmann
15. E. T. Asplundh
16. R. B. McKinney
17. A. D. Chambers
18. F. T. Techter
19. Lee Keane
20. Kenneth H. Klipstein
21. F. L. Bodman
22. Howard J. Fahrney
23. W. H. Van Winckle
24. S. D. Kirkpatrick
25. E. H. Killheffer
26. Frank D. Goll
27. F. A. Wardenburg
28. Sidney B. Self
29. M. A. Williamson
30. H. W. Smith
31. Hugh Craig
32. James J. Riley
33. Theodore Marvin
34. C. A. Higgins
35. Henry Bower
36. Milton C. Kutz
37. D. C. Scott
38. H. R. Wemple
39. R. M. Taylor
40. M. G. Milliken
41. Sandford Brown
42. A. Pillet
43. George Simon
44. August Merz
45. John P. Remensnyder
46. E. G. Robinson
46a. Victor E. Williams
47. W. J. Harshaw
48. M. J. Hartung
49. Lammot du Pont
50. W. A. Harshaw
51. Henry W. Johnstone
52. F. M. Moffat, jr.
53. Henry Howard
54. Eli Winkler
55. F. A. Neuberg
56. Leland I. Doan
57. A. A. Teeter
58. Fred W. Russe
59. E. K. Gladding
60. Harry J. Schnell
61. Warren N. Watson
63. H. W. Stenerson



62. W. M. Rand
64. H. O. C. Ingraham
65. A. A. Hoffmann, jr.
66. Langborne Williams
67. George W. Merck
68. Charles Belknap
69. R. C. Quortrup
70. Howard Huston
71. J. H. Dunbar
72. T. W. Elkinton
73. Leonard T. Beale
74. W. B. Bell
75. M. B. Gentry
76. Stanley L. Weil
77. August Kochs
78. H. L. Derby
79. Harold F. Merritt
80. D. H. Killeffer
81. J. Warren Kinsman
82. E. M. Allen
83. J. P. Elkinton
84. K. L. Schanbacher
85. Charles Schaumann
86. A. P. Howes
87. W. D. Huntington
88. H. R. Prior
89. Howard P. Mansfield
90. N. Emory Bartlett
91. H. B. Prior
92. Kenneth T. King
93. S. W. Jacobs
94. C. A. Mace
95. John A. Chew
96. John A. Kienle
97. Douglas G. Stewart
98. Waldo Hovey
99. Augustus H. Eustis
100. George A. Benington
101. L. E. Erlandson
102. Benjamin S. Mechling
103. F. W. Wolff
104. James G. Park
105. Philip M. Dinkins
106. Leland Lyon
107. Charles W. Millard
108. A. G. Bruinier
109. A. B. Chadwick
110. Clyde D. Marlatt
111. M. F. Crass
112. E. F. Brundage
113. E. W. Furst
114. C. N. McNulty
115. F. J. McDonough
116. Williams Haynes
117. Charles H. Stone
118. T. S. Grasselli
119. W. E. Fletcher
120. Charles L. Wiswall
121. Harold L. Simons
122. R. L. Cammann
123. Roger N. Wallach
124. C. L. Gabriel
125. W. S. Auchincloss
126. R. N. Mulliken
127. L. F. Long
128. Emerson Davis

Barrett
CHEMICALS

Barrett Chemicals are produced under strict laboratory control to meet rigid specifications established during 83 years of successful manufacturing service. They are available in large or small quantities, and Barrett service is included with every order—prompt, dependable deliveries and the cooperation of the Barrett Technical Service Bureau. Phone, wire or write for quotations.

AMMONIA LIQUOR
ANHYDROUS AMMONIA
BARRETAN*
BENZOL
CRESOLS
U. S. P., Meta Para, Ortho
Special Fractions
CRESYLIC ACID
Straw Color and Dark
CUMAR*
Paracoumarone-indene Resin
FLOTATION OILS AND REAGENTS
HI-FLASH SOLVENT
HYDROCARBON OIL
NAPHTHALENE
Crude, Refined Chipped, Flake, Ball and Nugget
PHENOL (Natural)
U. S. P., 40° M. Pt.
Technical 39° M. Pt.
Technical 82-84% and 90-92%
PICKLING INHIBITORS
PICOLINES
PYRIDINE
Refined, Denaturing and Commercial
QUINOLINE
RUBBER SOFTENERS
SHINGLE STAIN OIL
SOLVENT NAPHTHA
SPECIAL HEAVY OIL
TAR ACID OILS
TOLUOL
XYLENOLS
XYLOL

*Trade-mark of The Barrett Co., Reg. U. S. Pat. Off.

THE BARRETT COMPANY
40 Rector Street, New York, N. Y.

Barrett Specification Roofs . . . Barrett Shingles and Roll Roofings . . . Protective Coal-tar Paints and Damp-proofing Materials . . . Tarvia and Tarvia-lithic, for road construction . . . Creosote Oil . . . Pipe Line Coatings . . . domestic Sulphate of Ammonia and Arcadian, the American Nitrate of Soda.

Coaltar Chemicals

Xylol Shortage Acute—Cresylic Acid Also in Short Supply—Phenol In Good Demand—Creosote Oil Stronger—Crude Naphthalene Dull — Anilin Oil and Phthalic Anhydride Firm

Business in the market for coaltar chemicals continued on a broad scale throughout the week just ended. Manufacturing consumers were ordering out basic products to the extent of full contract allotments, causing the general price tone to firm up considerably. Xylol was in short supply. Cresylic acid was also short. Creosote oil was strong.

Labor unsettlement in the steel industry was a factor motivating a broader demand for basic products, particularly benzol, for indications were that the steel strike in certain major independent plants would be a long drawn out affair. Developments last week included the closing down of plants in Cambria, Pennsylvania, and in the Ohio Mill Valley by order of the respective governors of those States. This step was taken in order to prevent bloodshed. Steel operations last week were at 75.9 percent of capacity, against 76.6 percent in the previous period.

Reports from the automobile industry were to the effect that the production operations were being curtailed. Toluol, however, displayed a firm tone. Xylol shortage reached an acute stage. Creosote oil prices appeared stronger. Intermediate production showed an increase of 16.7 percent in 1936, according to statistics just released by the United States Tariff Commission. Increased 1936 output was noted in phthalic anhydride, to the extent of 33 percent; phenol, 12 percent; maleic anhydride, 25 percent; refined naphthaline, 13 percent; crude naphthalene, 88 percent; aniline about 18 percent and nitrobenzene about 10 percent.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Naphthalene, crude, 25c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.2	127.2	127.1	126.4

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A subtantial buying movement continued in evidence for this product during the period under survey. Manufacturing consumers were ordering out full contract allotments. Disturbance in the steel industry, with certain major independent steel plants tied up by reason of the labor strike, caused consumers, as well as sellers, to build up inventories. Steel operations last week were at 75.9 percent of capacity, against 76.6 percent in the preceding period, according to the American Iron and Steel Institute. A month ago operations were at 91 percent and a year ago at 70.2 percent. Early in the week Governor Earle of Pennsylvania ordered the steel plants closed in Cambria, and Governor Davey of Ohio ordered out the National Guardsmen, in order to maintain a status quo condition in the steel strike areas. The troops were ordered out by Governor Davey when the steel companies in the Mill Valley announced plans to reopen their plants Tuesday.

Cresol.—Business continued on a broad scale throughout the week. Sellers reported prices were firm.

Creosote Oil.—A good inquiry continued for this product throughout the week, sellers reported prices were decidedly firm. The United States Tariff Commission reported that the 1936 production of creosote oil amounted to 101,758,256 gallons, against 92,869,152 gallons in 1935. Sales in 1936 amounted to 93,215,599 gallons, against a sales of 86,706,628 gallons in the same period 1935.

Cresylic Acid.—A heavy buying movement was noted in this market again last week, sellers reported that the call was in excess of supplies, giving the market a decidedly strong tone. The synthetic resin industry continued to be the prominent factor on the demand side of the market.

Naphthalene.—Business in the market for crude naphthalene continued dull throughout the week. Sellers reported the market averaged around $2 to $2.25 per 100 pounds for current supplies. A good inquiry was noted for refined naphthalene. Production of crude and refined naphthalene amounted to 89,536,202 pounds, compared with 47,653,372 pounds in 1935.

Phenol.—This market continued to enjoy a broad demand throughout the week. Sellers reported no change in quotations. The synthetic resin industry, petroleum trade and dyestuff intermediate manufacturers as well as the pharmaceutical manufacturers were showing a good interest in commitments.

Toluol.—A firm tone prevailed in this market again last week. Reports from the automobile industry stated that production was being curtailed. Production in 1936 totaled 19,807,383 gallons of crude and refined, compared with a total of 17,776,551 gallons in 1935.

Xylol.—A shortage prevailed in this market. Prices were strong. In 1936 the production was 4,216,081 gallons, compared with 3,695,656 gallons in the same period a year ago.

Chicago Coaltar Bases

CHICAGO, June 24.—Increasing tightness is noted in the market for certain grades of coaltar products, arising from labor troubles in the central area steel industry. Benzol is stronger, although the price is the same. Xylol is reported in good demand, with limited offerings. Buyers are becoming more interested in getting supplies. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 9½c. to 10½c.; toluol, 30c.; 10-degree zylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13c. to 13½c.

Coaltar Acids

Anthranilic.—A good demand was reported in this market again last week. Quotations were firm.

Benzoic.—A fair buying movement was reported for this product. Prices ruled unchanged.

Cleve's.—This market continued to note an irregular demand throughout the week, a steady to firm price tone was noted.

Picric.—Shipments were moving out at a fair pace during the week. Prices were well sustained.

Salicylic.—A good interest was noted in this market again last week, and a steady to firm tone was in evidence.

Sulphanilic.—Shipments were moving out at a fair pace during the week. No change was uncovered in quotations.

Other Intermediates

Alphanaphthol.—A fair demand was reported in this direction, and a firm tone prevailed.

Anilin Oil.—Shipments were moving out at a good pace throughout the week. Prices ruled unchanged.

Betanaphthol.—A substantial buying movement continued in evidence for this product. No change was uncovered in quotations.

Benzidin Base.—Routine consumers supplied a fair demand here. Prices ruled unaltered.

Dinitrobenzene.—A strong tone continued in prominence in this market, consumers were withdrawing fair-sized shipments.

Nitrobenzene.—This market presented little change from recent weeks, in that demand continued fair and prices ruled unchanged.

Orthodichlorobenzene.—This market continued to display a firm tone throughout the week, firmness in the price tone could be attributed to the substantial demand.

Orthotoluidin.—Important developments were lacking in this market.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Usual consumers supplied a good call and prices were strong.

Paratoluidin.—A firm tone prevailed in this market again last week. Shipments were moving at a good pace.

Phthalic Anhydride.—This market continued to note a good demand throughout the week. Prices were decidedly firm.

Toluidin.—Business here was irregular at times during the week. A firm tone governed the dealings.

Xylidin.—The firm character of the price tone featured the dealings in this market. Prices were unaltered.

Coaltar Colors

The market for coaltar colors continued to note an irregular demand during the week just closed. Sellers reported quotations were steady to firm. Reports on the cotton cloth industry were to the effect that the domestic mill situation continued to develop unfavorably, as has been the case for the last three months, according to the New York Cotton Exchange Service. Sales of goods were much below the current output, reflecting a running down of unfilled orders, and, on some directions, a tendency toward accumulations of goods was noted. Rayon and silk mills were purchasing conservatively. The brighter shades continued as the features. Dyes used in stains continued to move at a fair pace; no change was disclosed in quotations.

N. E. Paint Club Has 175 at 'Annual Gambol'

Ideal weather attracted 175 members and guests of the Paint and Oil Club of New England to the "Annual Gambol on the Greens," held at the Andover Country Club, Andover, Mass. A short business meeting, golf and other sports, and a dinner filled the day.

The winners in the various events were:—

Golf Tournament:—Low gross, first, R. B. Jude; second, E. J. Gazda; third, E. J. Heap; fourth, W. J. Rose. Kickers' handicap: R. E. Crosby, W. O. Thompson, R. Johnson, J. H. Mulligan, M. Stone, Renshaw Smith, jr., Edward Healey, W. T. MacAdam, Owen Rush, J. T. Murray, K. B. Bolton, W. B. DeWolf, R. M. Kaulbach, H. Diemont, John W. Stewart, Frank Bownes, Eugene E. Morton, J. Dwight Morton, T. O. Stuart, H. A. Hall, jr., T. O. Phalen, Silvanus Smith. Consolation: G. U. Baylies. Special Drawing: W. A. Jackson, Solomon Townsend, Harry Hall, Jr., and Jack Roche.

The club's De Lore Trophy team turned in an aggregate gross score of 736 for the eight players.

Horseshoes:—First, J. L. Griffin and Eugene Tobey; second George Beake and A. C. Mispal; third, C. J. Landen and Franklin J. Lane; fourth, Kenneth Stout and Thomas.

Hammer Throw:—First, A. C. Mispal; second, C. R. Hoppen.

Putting on the Green:—First, C. A. Dana Redmond; second, Sumner B. Woodbridge.

Ball and Barrel:—First, George A. Kerwin; second, H. L. Hemmerdinger.

Punch Board:—Frank J. Lane, James B. Lord, S. B. Woodbridge, John Stewart, Virgil Tobey, C. J. Landen, Albert E. Coe, E. W. Harrigan and Ralph Tasker.

Bob Grant was general chairman of the outing.

Contracts Awarded

Naphtha:—530 gallons; award to the Neville Company, at 19.43 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 819, opened June 10.

4,240 gallons; award to the Pure Oil Company, at 23 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 819, opened June 10.

3,074 gallons; award to the Union Oil Company of California, at 16.41 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 819, opened June 10.

Skim Milk:—7,040,000 pounds; awards to Abbott's Dairies, Inc., Cameron, Wis., 480,000 pounds; Arden Farms, Inc., Los Angeles, 120,000 pounds; Challenge Cream and Butter Association, Los Angeles, 600,000 pounds; Consolidated Dairy Products Company, Seattle, 1,440,000 pounds; Dairymaid Creameries, Ltd., Oakland, Calif., 540,000 pounds; Golden State Company, Ltd., San Francisco, 360,000 pounds; Land O'Lakes Creameries, Inc., Minneapolis, 600,000 pounds; Pet Milk Company, St. Louis, 560,000 pounds; Pet Milk Sales Corporation, Salt Lake City, 180,000 pounds; Robert Dairy Company, Omaha, 400,000 pounds; Rochester Dairy Company, Rochester, Minn., 120,000 pounds; Twin Ports Cooperative Dairy Association, Superior, Wis., 240,000 pounds; United Milk Products Company, Cleveland, 160,000 pounds; and Ward Dry Milk Company, St. Paul, 1,240,000 pounds, at prices varying from 6.5 to 7.18 cents per pound, by the Agricultural Adjustment Administration, Washington, June 24.

Waterproofing, Colorless: — 600 gallons; award to the Central Paint & Varnish Works, at 70 cents, by the Army Air Corps, Wright Field, Dayton, O.; circ-

Balto. P.V.L.A. Has Trigg At Annual Golf Outing

Golf, sweepstakes prizes and dinner-speeches were the features of the annual outing of the Baltimore Paint, Varnish and Lacquer Association, held at the Suburban Club, June 18. Special guests were Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association; Reuel W. Elton, national secretary, and Edward R. Drake. All three were introduced by C. Burch Athey, president of the local organization, and Mr. Trigg told how the local and the national could work most effectively for the common good.

Twenty-eight members participated in the golf match, and the winners were:—First, H. R. Cooper; second, Jack Bossett; third, Harry G. Evitt; fourth, Morton M. Goldsmith, and fifth, George P. Woodward. The prizes were awarded at the dinner.

Mr. Trigg assisted in the drawing for the sweepstakes prize, pulling out the winning number which went to Ben Landau, president of the Paint Salesmen's Club. The prize was $5.

Frank A. Warner, jr., was chairman of the outing committee.

U.K. Synthetic Organic Dye Production Up 9 Percent

Synthetic organic dye production in the United Kingdom increased a little more than 9 percent in 1936, according to data compiled by the British Board of Trade from returns furnished by the principal British dyemakers, and forwarded to the Department of Commerce by the assistant trade commissioner at London. Comparative statistics for 1936 and 1935 follow:—

Dye.	Pounds 1936.	Pounds 1935.
Direct cotton	11,443,486	10,494,850
Acid wool	11,932,908	11,398,471
Chrome and mordant (inc. alizarine)	7,767,829	7,254,066
Basic	3,367,983	3,534,079
Sulphide	8,388,398	8,227,626
Vat (inc. indigo)	10,107,823	9,947,252
Lake-making and pigment	2,018,599	1,947,151
Cellulose acetate	2,246,646	1,801,216
Oil, spirit, and wax	1,596,770	1,291,501
Unclassified*	2,352,459	2,817,172
Totals	61,222,901	58,713,384

* Including quantities not separately distinguished.

Innis, Speiden Offers New Wax

Innis, Speiden & Co., importer, exporter and manufacturer, this city, is placing on the market a new refined wax, made especially for the manufacturers of wax emulsions. This wax may be substituted for the more expensive, higher grades of carnauba wax. It makes a light-color emulsion, like that secured from the better grades of carnauba. It dries with a good sheen, polishes to an exceptionally fine sheen, and is supplied in both lump and flake form.

A. Homer Smith, former president of Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has purchased the old John Henry Hoffecker residence on West Commerce street, Smyrna, Del., and will make his home there when modernization of the house has been completed. Mr. Smith, who is a former president of the American Drug Manufacturers Association, and was connected with the pharmaceutical industry for more than thirty years, was born in Smyrna.

Ralph Wechsler, treasurer of the National Oil Products Company, Harrison, N. J., sailed June 16, on the S.S. "Manhattan" for three months' business trip to Europe. Mr. Wechsler will visit England, France, Switzerland, Egypt and Palestine.

J&L LIGHT OIL DISTILLATES

COMMERCIALLY PURE BENZOL

90% BENZOL • CXP BENZOL

XYLOLS (SOLVENT NAPHTHA)

REAGENT BENZOL • PURE TOLUOL

SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH PENNSYLVANIA

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☐ Toluol, Nitration
☐ Xylol, 10°
☐ Xylol, Industrial
☐ Solvent Naphtha (including High Flash)
☐ Phenol, 82% Purity
☐ Phenol, 90% Purity
☐ Cresol, U.S.P.
☐ Cresol, Resin Grades
☐ Cresol, Plasticizer Grades
☐ 3° Meta Para Cresol
☐ Cresylic Acid, Disinfectant Grades; 98% pale; low-boiling
☐ Cresylic Acid, Insecticide Grades; 98% pure; high-boiling
☐ Naphthalene
☐ Shingle Stain Oil
☐ Refined Tars
☐ Tar Acid Oils
☐ Pitch Coke
☐ Industrial Coal Tar Pitches
☐ Flotation Oils
☐ Creosote

CONSTRUCTION MATERIALS AND EQUIPMENT

☐ Tanks and Tank Work
☐ Benzol Recovery Plants
☐ Naphthalene Removal Apparatus
☐ Phenol Removal Apparatus
☐ By-product Gas Plants
☐ By-product Recovery Apparatus
☐ Sulphur Recovery Apparatus
☐ Coal Tar Roofing Materials
☐ Waterproofing and Dampproofing Materials
☐ Tarmac Road Tars
☐ Bituminous-base Paints
☐ Fast's self-aligning Couplings
☐ Treated Lumber, Poles, Piling, etc.
☐ Piston Rings
☐ Gas, Air and Water Valves
☐ Fire Hydrants
☐ Special Machinery

FUELS

☐ Coal ☐ Coke

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Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-forty-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Amyl 4-Sulphophthalate

Building and Construction

Dispersing agent (Brit. 418334) in making—
- Emulsified waterproofing preparations

Chemical

Dispersing agent (Brit. 418334) in making—
- Emulsions of hydrocarbons
- Emulsions of various chemicals
- Textile lubricants in emulsified form
- Wetting compositions in emulsified form

Cosmetic

Dispersing agent (Brit. 418334) in making—
- Emulsified cosmetics

Disinfectant

Dispersing agent (Brit. 418334) in making—
- Emulsified germicidal and disinfecting compositions

Dye

Dispersing agent (Brit. 418334) in making—
- Emulsified color lakes

Fats, Oils, and Waxes

Dispersing agent (Brit. 418334) in making—
- Emulsified boring oils
- Emulsified drilling oils
- Emulsified fat-splitting preparations
- Emulsified fatty acids of animal or vegetable origin
- Emulsified greasing compositions
- Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
- Emulsified preparations of natural or synthetic waxes
- Emulsified sulphonated oils
- Emulsified wire-drawing oils
- Emulsions of animal and vegetable fats and oils

Glue and Adhesives

Dispersing agent (Brit. 418334) in making—
- Emulsified adhesive preparations

Ink

Dispersing agent (Brit. 418334) in making—
- Emulsified printing and writing inks

Insecticide

Dispersing agent (Brit. 418334) in making—
- Emulsified insecticidal and fungicidal compositions

Leather

Dispersing agent (Brit. 418334) in making—
- Emulsified compositions for softening hides
- Emulsified dressing compositions
- Emulsified fat-liquoring baths
- Emulsified finishing compositions
- Emulsified soaking compositions
- Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 418334) in making—
- Automobile polishes in emulsified form
- Emulsified cleansing compositions
- Emulsified compositions for cleansing painted and metallic surfaces
- Emulsified degreasing compositions
- Emulsified furniture polishes
- Emulsified greasing compositions
- Emulsified metal polishes
- Emulsified penetrating compositions
- Emulsified shoe polishes
- Emulsions of various substances
- Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 418334) in making—
- Emulsified compositions for sizing paper and pulp products
- Emulsified compositions for waterproofing paper and pulp compositions and paperboard
- Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 418334) in making—
- Emulsified cutting oils for screwpress and lathe work
- Emulsified mineral oils
- Kerosene emulsions
- Naphtha emulsions
- Petroleum pitch emulsions
- Petroleum tar emulsions
- Soluble greases in emulsified form
- Solubilized emulsified oils and distillates
- Textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Brit. 418334) in making—
- Emulsified detergents, containing soaps, used for various purposes
- Emulsified hand-cleaning compositions containing soap
- Emulsified textile soaps

Textile

Bleaching

Dispersing agent (Brit. 418334) in making—
- Emulsified bleaching baths

Dyeing

Dispersing agent (Brit. 418334) in making—
- Dye baths in emulsified form

Finishing

Dispersing agent (Brit. 418334) in making—
- Emulsified coating compositions
- Emulsified scouring compositions
- Emulsified sizing compositions
- Emulsified washing compositions
- Emulsified waterproofing compositions
- Emulsified waxing compositions

Manufacturing

Dispersing agent (Brit. 418334) in making—
- Emulsified baths for the carbonization of wool
- Emulsified baths for degumming and boiling-off silk
- Emulsified baths for soaking silks
- Emulsified bowking baths
- Emulsified compositions used for degreasing raw wool
- Emulsified fulling baths
- Emulsified kier-boiling baths for cotton
- Emulsified mercerization baths
- Emulsified spinning compositions
- Oil emulsions for various textile purposes

Printing

Dispersing agent (Brit. 418334) in making—
- Emulsified printing pastes

Benzyldiethyl normal-dodecylammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Benzyldiethyl-normal-octylammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Chloronaphthalenes

(Continued from June 21 issue)

Photographic

Plasticizer in making—
- Film

Substitute for—
- Camphor in nitrocellulose film

Plastics

Hardening agent (French 616506) for—
- Phenol-formaldehyde molded products

Ingredient of—
- Imitation porcelain plastic
- Insulating compositions
- Molding compositions

Plasticizer in—
- Plastic compositions

Starting point in making—
- Plastics from phenols

Rayon

Delustering agent for—
- Cellulose acetate rayon
- Viscose rayon (Brit. 399512)

Ingredient (French 706709) of—
- Compositions for protecting rayon against short-wave light rays

Refrigeration

Solvent (U.S. 1991188) in—
- Methyl chloride absorption type refrigeration plants

Resins

Ingredient of—
- Resins made from chinawood oil, cresol, and formaldehyde (French 688303)

Plasticizer for—
- Moldable resin composed of phenol, orthocresol, and hexamethylenetetramine (U.S. 1975884)
- Resins

Solvent for—
- Resins

Starting point in making—
- Resin substitutes (Germ. 332725)
- Resins from phenols
- Synthetic resins (Brit. 392382)
- Varnish and lacquer resins

Rubber

Bonding agent for rubber in making—
- Rubberized cloth

Imparter of—
- Flameresisting properties (to a marked degree) to rubber

Ingredient (Brit. 448093) of—
- Chlorinated rubber compositions suitable for use as lacquers and coating materials

Penetration promoter in making—
- Rubberized cloth

Solvent for—
- Caoutchouc
- Gutta-percha
- Rubber

Softening agent for rubber in making—
- Rubberized cloth

Textile

Acidproofing agent for—
- Fabrics

Acidfumes-proofing agent for—
- Fabrics

Alkaliproofing agent for—
- Fabrics

Flameproofing agent for—
- Fabrics

Ingredient of—
- Flameproofing compositions for wool, cotton and silk, containing also chlorinated rubber and polyvinyl chloride (Brit. 428873)
- Waterproofing compositions for textiles

Moistureproofing agent for—
- Fabrics

Protective (French 623555) in—
- Localizing delustring effects

Wood

Acidproofing agent for—
- Wood

Acidfumes-proofing agent for—
- Wood

Alkaliproofing agent for—
- Wood

Flameproofing agent for—
- Wood

Impregnating agent (French 697496) for—
- Weaver's wooden shuttles

Ingredient (Brit. 428873) of—
- Flameproofing and waterproofing compositions for wood, containing also chlorinated rubber and polyvinyl chloride

Insectproofing agent for—
- Wood

Moistureproofing agent for—
- Wood

Protective coating (against corrosive chemical action) for—
- Wood

Cyclohexylresorcinol

Chemical

Starting point (Brit. 444351) in making—
- Fat-splitting catalysts and emulsifying agents for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble or water-insoluble acids, and the quaternary ammonium salts are claimed to be valuable for the purposes named)

Methylethylcyclohexyl-betahydroxygamma-dodecoxypropyl-Ammonium Iodide

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Octadecylresorcinol

Chemical

Starting point (Brit. 444351) in making—
- Fat-splitting catalysts and emulsifying agents for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble or water-insoluble acids, and the quaternary ammonium salts are claimed to be valuable for the purposes named)

Trimethylbetahydroxy-gammadodecoxypropyl-Ammonium Bromide

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Trimethylbetahydroxy-gammadodecoxypropyl-Ammonium Chloride

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Trimethylbetamethyl-dodecylaminoethyl-Ammonium Iodide

Disinfectant

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

Insecticide and Fungicide

Claimed (Brit. 436725 and 436726) to be—
- Fungicide

Dyestuffs and Textile And Leather Chemicals

Good Demand for Fustic and Logwood—Hematine and Hypernic Active—Mangrove Bark and Myrobalans Unchanged—Zinc Dust Steady—Egg Products Dull—Corn Derivatives Firm

Business in the market for dyestuffs and tanstuffs continued to note a highly irregular demand throughout the week. The irregularity in the call reflected curtailment in production schedules in certain units of the textile industry, and building up of moderate inventories on those products that will be listed at a higher level after July 1. The market was without a specific price feature.

Reports from certain units in the textile industry indicated that current sales were running below production levels, with some mills in the cotton cloth industry believed to be noting accumulation, inasmuch as such a condition has been noted over the past month. However, the higher prices, effective July 1, on hypernic, hematine, fustic and logwood resulted in a fairly active movement, some consumers being inclined to build up moderate inventories. Tanning materials continued quiet., prices for the various sorts being unchanged from the previous period. Corn derivatives were firm, reflecting the firmness in the basic product. The call for egg products was dull, reflecting depressed season influences. Alumina chloride held steady. Bichromates were firm. Zinc dust continued unchanged, mirroring the steadiness in the basic metal. Antimony salt was quiet. Soda and potash prussiate were without change

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.1	**154.1**	**154.1**	**152.3**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—A fair demand continued for this product throughout the week. No change was noted in prices. The volume was sufficient to give the market a steady tone.

Antimony Salt.—Quiet prevailed in this market again last week, sellers reporting a steady tone was in effect.

Potash Bichromate.—A fair demand was reported for this product again last week. A decidedly firm tone prevailed. Producers attributed the firm tone to the good volume of business on the books for third-quarter delivery.

Potash Prussiate.—This market continued to record an irregular demand for yellow prussiate. Quotations were steady to firm. The call for red prussiate was fairly good. Prices were unchanged.

Soda Bichromate. — Shipments were moving against contracts at a favorable pace. A firm tone was the outstanding factor in the market.

Soda Prussiate.—Business was transacted on a favorable scale throughout the week, sellers reporting prices ruled steady to firm.

Zinc Dust.—The market displayed a steady tone throughout the week. Demand was fair. Steadiness in price could be traced to continuance of a similar tone in the basic metal.

Dyestuffs

Annatto.—A highly irregular call was noted for this product again last week. Quotations were unaltered.

Archill.—A firm tone continued as the outstanding feature in this direction, routine consumers supplied a highly irregular demand. Prices were without change.

Cochineal.—This market offered little variation from recent weeks, the call being confined to routine jobbing quantities, but prices ruled firm at the levels in effect previously for Teneriffe silver and gray material.

Fustic.—This market continued to note a good demand, some consumers building up moderate inventories because of the increase in price, effective July 1, the schedule having been issued in the preceding period.

Hematine.—Consumers were ordering out fair-sized quantities during the week just ended. The fair amount of buying could be attributed tothe raise in price for shipments after July 1.

Hypernic.—This market noted a good demand at times during the week, some consumers were building up a moderate surplus, and prices were firm at the levels announced for July 1.

Logwood.—A god demand was reported in this market again last week, and sellers were busy in booking busines for forward delivery at the higher schedule, effective July 1.

Madder, Dutch.—Although the market was a rather drab affair throughout the week, sellers reported prices were firm. The limited amount of material on hand giving the market the firm price appearance.

Sizing Materials

Albumen.—This market noted a dull demand again during the week just closed, the dull call reflecting seasonal influences in the market for edible egg albumen. Prices were about the same as in the preceding period. The market for blood albumen was steady, a fair demand being in evidence.

Dextrin.—The market for corn derivatives continued to note a firm tone, firmness in the price tone could be traced to the presence of a firm tone in the basic product. The market otherwise was a rather drab affair.

Egg Yolk.—Although the market continued to note a spotty demand, consumers being content to cover for immediate production wants only, sellers reported prices were about the same as in the preceding period, for the dull call could be traced to seasonal influence.

Frozen Eggs.—The market on the New York Produce Exchange was quiet. July whole mixed futures closed on Friday at 17c. asked; September, 17.40c. asked; October, 17.75c. asked.

Starch.—A firm tone prevailed in the corn derivatives, reflecting the firmness in the basis product. The corn crop generally is making satisfactory advance, though frequent rains have been unfavorable for cultivation in most sections from the central and upper Mississippi Valley eastward. In this area, warm, dry weather is needed. In Missouri some wetter areas are quite weedy. In Oklahoma and Texas, progress and condition of the crop are mostly good, while in other plains States, with warmer weather and more sunshine, rapid growth is reported. In Iowa progress is excellent. The second cultivation is generally completed and the third well along in the south with much corn knee-high. It has been too wet for cultivation in some sections.

Tanning Materials

Divi-Divi. — Although the market continued dull, from a demand standpoint, sellers reported prices were nominal, the nominal position of prices being due to the limited amount on hand.

Gambier.—The market for common gambier continued at a slow pace, but prices were nominal. The call for Singapore cubes and plantation gambier was highly irregular. Prices were steady at the levels in effect previously.

Mangrove Bark.—This market continued to note a spotty demand throughout the week, sellers reporting prices were about the same as in the previous period.

Myrobalans.—Business in J1 myrobalans continued highly irregular during the week, but no change was uncovered in quotations. A fair demand was recorded for J2 and R2 material, sellers reporting prices were without change.

Quebracho.—This market continued to note a fair demand, sellers describing the price tone as firm.

Sumac.—Demand in the market for ground sumac continued highly irregular. Sellers were adhering to previous prices. The call for leaf sumac was fair. No change was uncovered in quotations.

Valonia.—This market noted a fair call for beards and cups, the fair amount of buying resulting in the continuance of a steady to firm tone.

Wattle Bark.—A firm tone prevailed in this market again last week, sellers reporting demand was fairly active.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Witco Presents Trophy To Rubber Golf League

Competition in the Rhode Island Rubber Golf League, composed of teams from various rubber companies in that State, was stimulated recently by the offering of the Witco Challenge Cup, pictured herewith, a gift of Wishnick-Tumpeer, Inc., this city. The cup will be held each year by the team that wins the league championship. The first team to win it twice will have permanent possession. The teams, each consisting of six men, meet every Saturday forenoon during April, May, and June, at various golf courses in Rhode Island. Each match is followed by a sociable get-together around the luncheon table.

At the present time the Anaconda Wire & Cable Company's team is in the lead with a likelihood of winning the first leg on the cup.

The final match will be climaxed by a banquet of all the groups at which the presentation of the Witco cup will be made.

John Powell & Co., pyrethrum and rotenone, this city, reports that as of July 1 it will move the office of its Pacific coast representative, Esler Johnson, to the Cunard building, 503 Market street. San Francisco. Telephone, Garfield 3393.

Drug Wholesaling in 1935 Shown by Bureau

(Continued from page 5)

$9,940,000 or 1.6 percent of the total, and costs amounting to 21.5 percent of sales.

Locations Concentrated

Although drug establishments are found in forty-six of the forty-eight States and the District of Columbia, the Middle Atlantic (25.0 percent), the East-North-Central (19.6 percent), and the Pacific (12.5 percent) divisions account for 57.1 percent of the total business of full-service and limited-function wholesalers.

These divisions account, also, for 79.4 percent of the business of manufacturers' sales branches, 99.9 percent of the business of sales offices and 93.6 percent of the business of agents and brokers. The same concentration is evident in the largest cities.

Employment Costs

The comprehensive analysis of employment in the wholesale drug trade contained in the report reveals that selling employees (inside and outside combined) represented 28.8 percent of the total and accounted for 37.7 percent of total payroll. Outside selling employees received an average weekly wage of $45 while inside salesmen received $28.

Office and clerical employees constituted 29.6 percent of total employees and accounted for 23.1 percent of total payroll. The average weekly wage of this group is shown as $25.

Executives and salaried corporation officers represented only 5.9 percent of total employees but received 17.0 percent of total payroll. For each type of operation, this class received the highest compensation.

Credit a Big Factor

One thousand and twenty of the 1,563 full-service and limited-function wholesalers reported credit sales. Credit sales constituted 87.5 percent of total sales of full-service and limited-function wholesalers, and 98.5 percent for manufacturers' sales branches.

Table 21 contained in the report summarizes credit sales by geographic divisions, and in no case do credit sales fall below 70 percent of the total sales of those establishments reporting credit business.

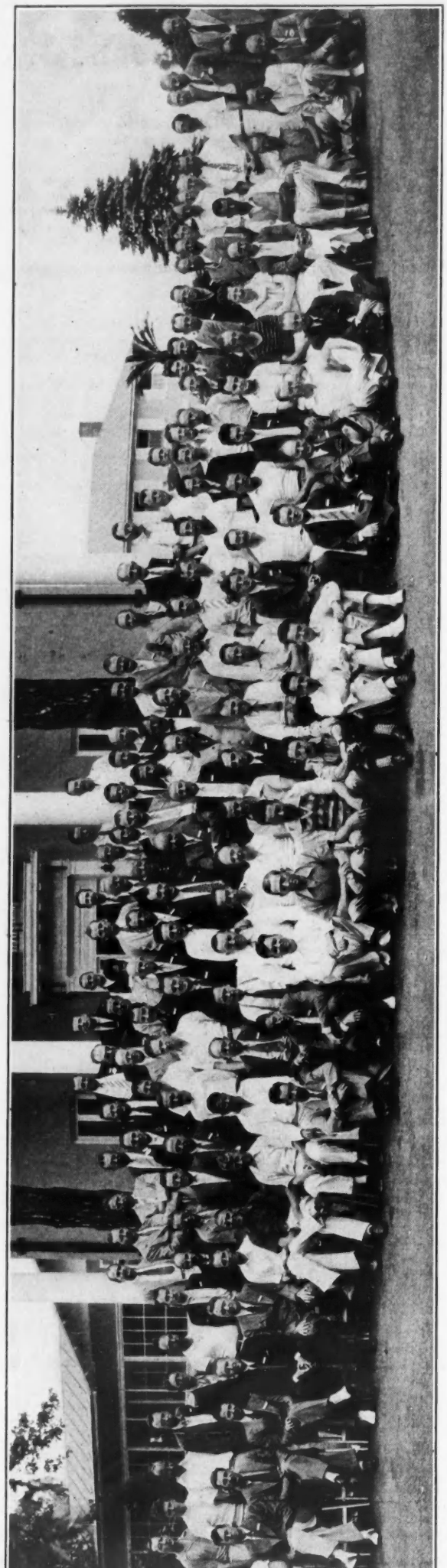
In addition to detailed analyses of sales and their sources and distribution, employment, operating expense and commodity sales of drug wholesalers are analyzed. A study of sales radius, of cooperative and mutual wholesalers, and comparative data for identical wholesale merchants for the year 1935, 1933, and 1929 are included in the report.

The census of business is under the direction of F. A. Gosnell, chief statistician. The report on drug wholesaling was prepared, under the supervision of John Albright, chief of wholesale trade, by Dr. Albert Haring.

A limited supply of the report on drug wholesaling is available upon request to the Census Bureau of the Census, Washington (the Philadelphia branch, where the business census reports have been compiled, has been closed).

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephone: Cortlandt 7-1460-1461 Cable Address: "Fezan," N. Y.

MUTUAL BICHROMATES
BICHROMATE OF POTASH
BICHROMATE OF SODA
OXALIC & CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE., NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY
MINES IN NEW CALEDONIA



New York Paint and Varnish Production Club Members Guests of Krebs Pigment & Color Corporation at Outing June 18 to 20, 1937

New York Paint Technicians Are Guests of Krebs Pigment

An interesting program of technical demonstrations plus splendid weather for golf made most enjoyable the outing, June 18 to 20, of 125 members of the New York Paint and Varnish Production Club as guests of the Krebs Pigment & Color Corporation in Wilmington, Del.

Led by James A. Frederickson, of John W. Masury & Co., president; Austin O. Allen, of the A. C. Horn Company, vice-president, and Dr. Joseph Mattiello, of the Hilo Varnish Corporation, secretary-treasurer, the club members arrived at Wilmington on the evening of July 18 in time for an informal reception in the hotel. Here they were greeted by a number of officers of the Krebs corporation, among whom were Zack Phelps, assistant general manager; G. A. McCorkle, general sales manager; William R. Morpeth, assistant general sales manager; C. H. Lyman, treasurer; L. C. Lee, assistant treasurer, and Dr. J. E. Booge, technical director.

After breakfasting early the following morning, the guests were taken to the Krebs test fences where they heard a short address by John L. Broeker of the company's research department.

Results of Exposure Tests

Illustrating his talk by showing a large number of panels carrying a variety of paints that had been subjected to different periods of exposure, Mr. Broeker pointed out the differences evident in the durability characteristics of these finishes. Since the club last visited Wilmington in 1935, the test fences have been increased 50 percent.

Some of the later tests, while not of sufficient duration to afford scientific proof, have shown, he said, interesting indications of results diametrically opposed to two current paint theories. He pointed out, for one thing, that lithopone paint films applied over hard type paints appeared to be weathering better than the same lithopone paints applied over bare wood panels. This, he said, would seem to cast some reasonable doubt on the widely publicized theory of pigment compatibility.

Commenting on the recommended classification of paints by pigment content, Mr. Broeker showed a number of panels on which, he said, "C" classification paints were showing better weathering qualities than "A" classification paints under identical test conditions. He was inclined to doubt that the classification of paints by pigment volume offered the manufacturer an accurate basis for predicting durability.

The superior tint-retention ability of tinted titanium dioxide pigments, Mr. Boeker said, was even more manifest at this stage of the tests than it had been two years before. He showed many comparative panels in evidence of this. Tests with lead titanate pigments, he said, had not been conducted for a sufficient time to determine their tint retention properties, as these pigments resist chalking, he continued, and tint retention cannot be determined until chalking sets in.

Properties of Monastral Blue

Leaving the test fences, the three groups of guests were taken to the Nemour Auditorium where they listened to comments on "Monastral Blue," by H. A. Reddy, of the Krebs technical service department. "Monastral" blue had more than lived up to the many claims made for it, upon its discovery, in trade and technical magazines, Mr. Reddy said. It is the most self-contained pigment as yet developed, he said, and has almost ceramic ability to withstand high temperatures and the action of alkalies, acids and chemical fumes.

Used to produce both blues and greens, "Monastral" type colors, he said, offer a tint stability that permits their use as permanent wet standards. Their permanence in exterior light is limited only by the durability of the vehicle, he said. While he recognized that their initial high cost might give pause to a prospective user, the unusual properties of these colors give to their use an eventual economy, in his opinion.

Mr. Reddy displayed a series of panels showing comparative tint retention. Coated panels had been exposed in Florida at a 45-degree angle for six months, the coatings being two "Monastral" type blues, iron blue, and indanthrene type lake—all prepared with the same alkyd resin vehicle. The "Monastral" type blues made an excellent showing. Further test results showing all types of colors would soon be on exhibition in Brooklyn, he said.

Banquet and Prizes

The banquet that evening was followed by entertainment and the distribution of kickers handicap golf prizes to George J. Wrasman, of the Socony Paint Products Company; John A. Peterson, of the Hilo Varnish Corporation, and F. J. Maguire, of the Solar Varnish Company.

James A. Fredrikson, on behalf of the club, presented a combination barometer and thermometer to William R. Morpeth as an expression of appreciation for the entertainment given its members. Bruno Stolz, of the Sapolin Company, gave his customary dialectical outburst. Golf and sightseeing trips were available Sunday for those who wished them. Sunday evening, Joseph E. Hughes, Northeastern sales manager for the Krebs corporation, under whose guidance all arrangements had proceeded without a hitch, convoyed his guests to the trains for their return home.

N.Y.P.V.L.A. Has 130 At Annual Golf Match

One hundred and thirty members of the New York Paint Varnish and Lacquer Association met, golfed, and dined at the North Hills Club, Douglaston, L. I., June 22. Use of the club for this outing was obtained by E. V. Peters of the St. Joseph Lead Co.

Tied for low gross for the President's Cup were H. B. McCreary, of the United Carbon Company and Henry J. Hemingway, of the R. B. H. Lacquer Base Company. Comparison of their cards on match play basis gave the cup to Mr. McCreary, Mr. Hemingway receiving low gross prize for the "A" flight. A low net tie by Harold Rowe, of the National Lead Co., Dean C. Anderson, of the Brooklyn Varnish Manufacturing Company and Joseph P. Fleming, of J. Lee Smith & Co. was tossed, Mr. Rowe receiving the prize.

In Class "B" L. N. Jackson, of L. N. Jackson & Co., tied for low net with V. F. Mueller and won first prize, second prize going to Mr. Mueller. The Class "C" low net tie by J. G. C. MacNair, of the National Lead Company, John Cooley, of the Reynolds Metals Company and P. N. Hamilton, of the Harshaw Chemical Company, was decided in favor of Mr. MacNair with Mr. Cooley taking second prize.

Sixteen guests tied at par or better for the guest awards, first prize going to W. S. Kennedy, of Kirkman & Son, and second, to W. H. McIntyre, of the R. J. Brown Company of N. Y. Door prizes were won by C. A. Knauss, of the Nuodex Products Company, Harold A. Wakefield, of the Imperial Paper & Color Corporation and W. N. Barnum, of R. W. Greeff & Co.

Just before dinner a trick shot exhibition was given by Jack Redmond, professional golfer, ably assisted by "Charlie" Guignon, of Guignon & Green and Harry Pessoff, of the Paramet Chemical Company. High calibre competitive spirit was shown by both the latter in getting off good shots in spite of a shower of destructive criticisms. The guest from farthest away was Milton Pine, of the Muralo Company, Chicago.

The winning golfers were the following:—

President's cup for low gross—H. B. McCreary (tied with H. J. Hemingway at 80; won on matching of cards).

Class A—Low gross, H. J. Hemingway; low net, H. Rowe (tied with Dean Anderson and J. P. Fleming; decided by lot).

Class B—Low net, L. N. Jackson; second, V. F. Mueller (players were tied; prizes were awarded by lot).

Class C—Low net, J. G. C. McNair; second, J. Cooley (these players were tied with P. N. Hamilton; the prizes were awarded by lot).

Guests' low net—(No prize was awarded because sixteen players were tied at par or better, the committee ruling, as customary, that no net would be considered better than par.)

Drawn prizes—First, W. S. Kennedy; second, W. H. McIntyre

American Gum Importers' Association held its annual outing, June 15, at the Westchester Country Club, Rye, N. Y., with an attendance of thirty-five. Most of the members and guests participated in the golf tournament, which was in charge of C. F. Walden, of Thurston & Braidich.

Paint, Varnish, Lacquer Materials

Ester Gum Lower—Cadmium Lithopones Up—Shellac Down —Spanish Red Oxide to Advance with French Ocher And Raw Sienna July 1

As a result of the price increases reported previously, contract buyers of zinc and titanium pigments were ordering out undelivered balances on the contracts that expire at the end of this month. The number of delivery instructions received by the sellers of these pigments were heavy but elsewhere in the paint, varnish and lacquer ingredients market business was quiet. A seasonal let-down of activity that comes with the approach of the hot weather combined with the labor disturbances in heavy industry to make for conservative buying throughout the trade.

Ester gum prices on contracts for the third quarter of the year were lowered, marking the second reduction in price since the shortage of glycerin and the high cost of rosin sent prices to their highest level in several years.

Red and yellow cadmium lithopones were advanced in company with the recent increase in the normal and high strength white lithopones. The nominal price that now prevails for Spanish red oxide will be withdrawn on July 1 and higher quotations will go into effect. As reported previously, the price of French ocher, Italian raw sienna and some of the higher priced yellow oxides will be advanced on the first of the month.

Quotations on Batavia A/E dammar gum for replacement from abroad were advanced last week. Bonedry, T.N. and superfine shellac moved down on spot.

The short position of cresylic acid was responsible for an advance in the price of tri-cresyl phosphate.

Rosin and turpentine were somewhat more active last week although purchasing was generally limited to comparatively small or moderate quantities. Changes in quotations from day to day were narrower than in the previous week. A report was current to the effect that the government holdings of rosin had been disposed of. Primary receipts continued liberal.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gum, dammar, Batavia, A/E, ½c. per lb.
Red, cadmium lithopone, 5c. per lb.
Rosin, gum, 35c. to 50c. per 280 lbs.
Tri-cresyl phosphate, 2c. per lb.
Yellow, cadmium lithopone, 5c. per lb.

Reduced

Gum, ester, ½c. to ¾c. per lb.
Rosin, wood, 5c. to 10c. per 280 lbs.
Shellac, bonedry, 1c. per lb.
T.N., ½c. per lb.
superfine, 1c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
133.1	**133.1**	**132.6**	**129.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The feature of the lead market last week was a recovery of price in the foreign market. The London market commenced to climb in midweek and continued gradually upward each day thereafter for an aggregate rise of more than £2 per ton for the week. There was no change in the price over here and the sellers continued to quote 6c. to 6.05c. per pound at New York, and 5.85c. per pound at East St. Louis. A leading Eastern refinery with an estimated capacity of 9,000 tons of lead annually was shut down last week because of a labor strike. Fear of a further spread of labor difficulties had a strengthening affect on the market.

Zinc also improved abroad but the gain was not so marked as in the lead market. The steel strike has halted the demands for galvanizing to a large extent here. The market was quoted at 6¾c. per pound at East St. Louis, and the probability of a reduction in price was more remote now than for some weeks past.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from June 19 to June 25, inclusive, were as follows:—

	Pigs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0600@.0605	$0.0585	..	..	..
Monday	.0600@.0605	.0585	21	12	6
Tuesday	.0600@.0605	.0585	21	18	9
Wednesday	.0600@.0605	.0585	22	12	6
Thursday	.0600@.0605	.0585	23	8	9
Friday	.0600@.0605	.0585	23	17	6

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from June 19 to June 25, inclusive, were as follows:—

	Slabs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0710	$0.0675	..	..	..
Monday	.0710	.0675	20	5	0
Tuesday	.0710	.0675	20	12	6
Wednesday	.0710	.0675	20	18	9
Thursday	.0710	.0675	21	6	3
Friday	.0710	.0675	21	18	9

Pigments

Contract buyers of zinc pigments and titanium compound pigments were placing delivery orders for substantial quantities of material as a result of the price advances which were made a week ago. Lead pigments continued in rather slow fashion and were without price change. Red and yellow cadmium lithopones were advanced in price and details of this movement will be found in the dry colors section of this report.

White Lead.—Buying activity was described by the corroders as having been mild. Because of the approach of the hot weather, the demand was expected to undergo further seasonal diminishment. Prices continued steady at the levels that have been in force for the past several weeks. The basic metal was also unchanged.

Red Lead.—With metal holding a very even position, prices for car lots and smaller quantities of this derivative were unchanged. The demands of the market were rather spotty last week and were not so active as they had been in the early part of the month.

Litharge.—The trade watched the metal market closely, but there has been no change in domestic metal prices as yet. The price for this and other oxides was unchanged. Demands shared the spottiness of other lead products.

Lithopone.—Contract buyers were ordering out undelivered balances on their expiring contracts as a result of the ½c. per pound advance in price which took place June 15. The new schedule for normal strength material was based at 4⅜c. per pound for 20-ton lots and 4⅝c. per pound in smaller quantities. Titanated and high strength material was advanced ⅛c. to 5⅞c. per pound in 20-ton lots and 6⅛c. per pound in smaller lots. Barrel packing was charged ¼c. per pound additional. The new prices were f.o.b. shipping point, freight allowed.

Titanium Pigments.—As in the case of lithopone, the contract buyers were ordering out supplies in heavy fashion, following the advance in prices which was reported a week ago. The ½c. per pound increase in price of barium, calcium and magnesium pigments was as follows: Car lots, minimum 40,000 pounds, 5⅞c. per pound in bags and 6⅛c. per pound in barrels; less car lots, 6⅛c. per pound in bags and 6⅜c. per pound in barrels; lots less than 50 pounds, 6⅞c. per pound in bags. Car lot prices are f.o.b. factories less freight allowances and the l.c.l. prices are f.o.b. factories or ex-warehouse with either freight or trucking prepaid or allowed.

Zinc Oxides.—Producers were busy filling orders against the contracts that expire this week. The increase in prices

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

For Lasting Beauty and Lustre

GIVAUDAN PEARL ESSENCES

MANY ordinary articles —cigarette boxes, women's hats, vanity cases, pottery, handles and other objects—can be given charm and originality with a coat of pearl essence. But the quality of the essence is of paramount importance. Givaudan has developed four types that assure *lasting* beauty and lustre. They are produced by a rigidly controlled process that includes special cleansings with special detergents, repeated rinsings and centrifugings. Tests will convince you of their superior depth and brilliance. Givaudan's staff is ready to help you adapt them to your special requirements.

GIVAUDAN
DELAWANNA, INC.
Industrial Aromatics Division
80 FIFTH VENUE, NEW YORK, N. Y.

HARSHAW
DRIERS
PIGMENTS
CHEMICALS

THE HARSHAW CHEMICAL CO.
Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality Products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh,
Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

was responsible for the heavy contract movement. The new schedule which became effective June 15 was as follows:—American process, lead-free, 6¼c. per pound in 20-ton lots and 6½c. per pound in smaller lots with high-grade lead-free oxides at 76c. in 20-ton lots and 7¾c. per pound in smaller lots; 5 percent leaded, 6⅛c. per pound in 20-ton lots and 6⅜c. per pound in less than 20-ton lots; 35 percent leaded 6¼c. per pound in 20-ton lots and 6½c. per pound in less than 20-ton lots; 50 percent leaded, 6⅜c. per pound in 20-ton lots and 6⅝c. per pound in smaller lots. French process, lead-free, 6¼c. to 7½c. per pound in 20-ton lots and 6½c. to 7¾c. per pound in smaller lots; white seal, 8½c. per pound in 20-ton lots and 8¾c. per pound in smaller quantities; green seal, 8c. per pound in 20-ton lots and 8¼c. per pound in smaller lots; red seal, 7½c. per pound in 20-ton lots and 7¾c. per pound in smaller lots. Barrels were charged ¼c. per pound additional throughout the schedule. Lead free oxides made from high-grade metal by the French process and carrying the red seal price may be included in mixed cars with other lead frees at the standard lead free price.

Fillers and Extenders

Inert pigments and fillers passed through an uneventful period last week. Generally, trade was spotty and typical of the type of trade usually current at this season of the year. With the dullness of the Summer in the offing, buyers were ordering close to their actual needs. There were no price changes reported in this group last week and so far as could be learned, there were none scheduled for the first of the month.

Bentonite.—Prices for 200 and 300 mesh gradings at the Wyoming producing points were unchanged with the former at $11 per ton and the latter at $16 per ton for carload lots.

China Clay.—The dry-ground material has not changed in price since the beginning of the year. The wet ground product was raised to $9 per ton in bulk and $12 per ton in paper bags a few weeks ago. These quotations were f.o.b. producing point.

Talc.—Although there has been no shift in the price situation, latest reports from the New York producers of the fibrous type material indicated a good deal of strength in the price structure.

Dry Colors

Prices for red and yellow cadmium lithopone advanced in company with the recent price increase in normal strength and titanated lithopones. Spanish oxide is the latest in the earth color group to move up on July 1, accompanying raw Italian sienna and French ocher. The chemical colors did not undergo change in price last week.

Cadimum Lithopones.—Prices for red and yellow advanced 5c. per pound. All shades of yellow were raised to 45c. per pound for barrels and 50c. per pound in kegs, both in ton lots, and 50c. in barrels and 55c. per pound in kegs, for less than ton quantities. Ton lot prices for the reds were advanced as follows:—Light shade, 70c. per pound in barrels and 75c. per pound in kegs; medium light shade, 75c. in barrels and 80c. in kegs; medium shade, 80c. in barrels and 85c. in kegs; deep shade, 85c. in barrels and 90c. in kegs; and maroon shade, 95c. per pound in barrels and $1 per pound in kegs. Quotations for less than ton lots were 5c. per pound additional. These quotations were f.o.b. Baltimore or warehouse points, freight allowed on quantities of 100 pounds or more.

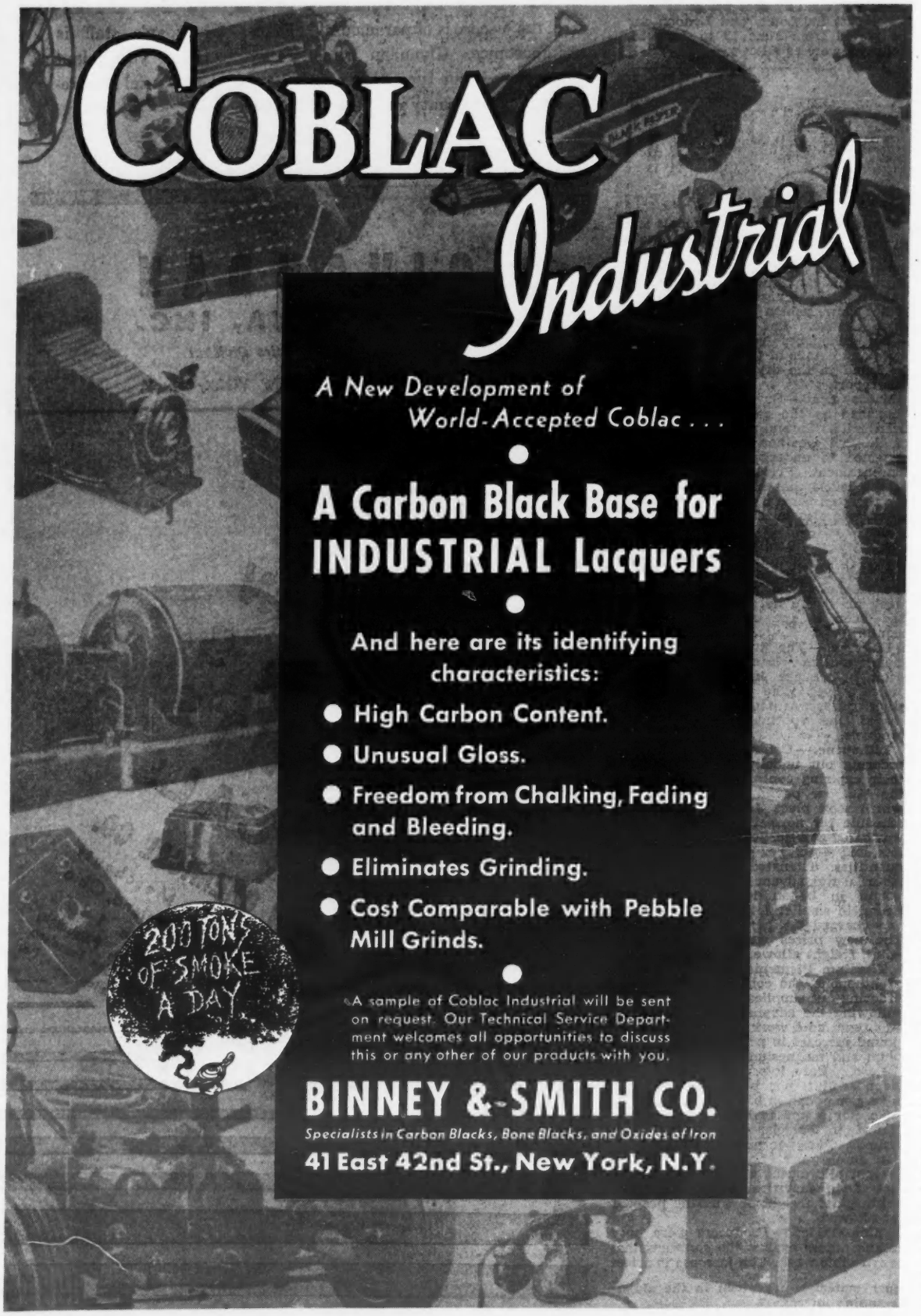
Carbon Black.—Although labor difficulties were still handicapping the production in certain tire producing units, the movement of black into Akron continued at a heavy pace last week. The market was quite steady and as reported previously the contract prices will not undergo any adjustment on the first of July.

Sienna.—As reported here a week ago, prices for Italian raw will be advanced ¼c. per pound, effective July 1. It was understood, however, that some of the very light shades would continue without price shift.

Spanish Red Oxides.—The price will be advanced ⅛c. per pound on July 1. The present nominal price of 3¼c. per pound, delivered, will be withdrawn in favor of a 3⅜c. per pound market. This, however, is a nominal price and subject to the sellers' ability to fill orders. Substitute materials for this red were also being advanced.

Yellow Ocher.—French material will be increased ⅛c. per pound on July 1. Higher ocean freight rates were responsible for the decision to increase prices.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7


COBLAC
Industrial
A New Development of
World-Accepted Coblac . . .
A Carbon Black Base for
INDUSTRIAL Lacquers
And here are its identifying characteristics:
● High Carbon Content.
● Unusual Gloss.
● Freedom from Chalking, Fading and Bleeding.
● Eliminates Grinding.
● Cost Comparable with Pebble Mill Grinds.
200 TONS OF SMOKE A DAY
A sample of Coblac Industrial will be sent on request. Our Technical Service Department welcomes all opportunities to discuss this or any other of our products with you.
BINNEY & SMITH CO.
Specialists in Carbon Blacks, Bone Blacks, and Oxides of Iron
41 East 42nd St., New York, N.Y.

Varnish Gums

The price of Batavia A/E dammar gum advanced again last week, but there were no other changes in the list of natural gums and business was described as having been very quiet. The delivery orders against contracts were light and there was practically no new booking of contracts for future needs.

Copals.—There has been no change in prices during the past few weeks. Business was very quiet during the period under review and there was practically no business being booked for replacement.

Dammars.—The price of Batavia A/E gum was advanced ½c. per pound last week to 15¾c. per pound for car lots. The usual differentials for smaller quantities prevailed. The Singapore gums continued in a strong position, but there were no changes reported.

Synthetic Resins

Contract prices for the third quarter of the year were reduced by leading manufacturers and a new schedule based at 10c. per pound was offered out to the trade last week. The 10c. price was for 75,000 pound lots. Straight car lots were quoted at 10¼c. per pound and smaller lots were named at 10½c. per pound. This schedule represented a reduction of ½c. to ¾c. per pound.

Naval Stores

The principal development in the naval stores situation last week was the announcement from Washington that the Commodity Credit Corporation has finally disposed of all rosin taken over by it as collateral for loans made to producers. The last sale disposed of some 40,000 barrels of first class rosin stored at Brunswick, Ga., for many months, and removes a bearish threat to the market which has existed for some time.

The Corporation still holds approximately 3,300,000 gallons of turpentine stored in tanks at Savannah, Jacksonville, Brunswick, and Valdosta. No particular effort is being made to sell this turpentine at the present, but it will be gradually liquidated when the market improves in such a way that it will not disrupt prices. At one time the Corporation held approximately 150,000 barrels of turpentine and 300,000 barrels of rosin on which it loaned producers $50 per unit at a time when the price was $35 to $38 per unit. Corporation officials state that this operation was of great value to the naval stores industry and if the remaining stock of turpentine can eventually be sold at about 50 cents per gallon the operation would show no loss to the taxpayers.

No material broadening of business was noted in southern markets for naval stores last week and purchasing here was generally limited to comparatively small or moderate quantities. A somewhat better inquiry was reported locally, however, for rosin and some of the minor pine products. Offerings in primary markets from day to day were generally rather light or moderate and the undertone in the South appeared to be steady or firm. There was an impres-

sion in some quarters that many consumers would be likely to adhere to a very conservative course in purchasing operations until labor troubles are settled and existing uncertainty concerning tax and other pending legislation is removed.

The export inquiry for rosin last week was fair. Far Eastern interests were not in evidence, but some increase was noted in the volume of inquiries received from the Continent and South America. There were reports of fair sales of turpentine in tankcars to domestic consumers, but according to the official records the sales in barrels were rather light. Weather conditions were generally favorable for operations in the woods and receipts in primary markets continued rather liberal. The clearances from seaboard markets, however, were sufficiently large to prevent any material additions to supplies.

According to consular advices the market for naval stores in France was quiet during May. Prospects for the new crop of gum were improved during the latter part of the month by favorable weather. The yield of gum from the first dip was considered to be below normal, however, due to the strike of forest workers earlier in the season. Consular advices from Mexico stated that the output of naval stores during May was slightly below the same month last year. Sales for the month were 16,000 gallons of turpentine to the United States, 75 tons of rosin for export and 237 tons sold for domestic consumption. Stocks in that country at the close of May were estimated at 30,000 gallons of turpentine and 480 metric tons of rosin.

Turpentine.—Business in the local market was generally of the small-lot variety, the movement of such quantities being fair. Daily sales in southern markets as officially reported were rather light but there was no pressure of offerings and the prevailing tone was steady or firm, changes in quotations being within comparatively small limits. Weather conditions were generally favorable for production and marketing and receipts in primary markets continued liberal.

SAVANNAH, June 25.—Turpentine sales were fair and the market had a steady undertone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday....	33¾	143	590	885	28,482
Monday.....	33½	137	530	1,125	27,887
Tuesday....	33½	170	675	45	28,517
Wednesday..	33½	65	565	22	29,060
Thursday ..	34	88	392	112	29,340
Friday	34	104	496	...	29,836

JACKSONVILLE, June 25.—The turpentine market was quiet. Changes in quotations were moderate. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday....	33½	138	357	2,890	26,665
Monday.....	33½	85	560	15	27,210
Tuesday....	33¾	35	305	...	27,515
Wednesday..	34	118	365	...	27,880
Thursday ..	34	151	326	...	28,208
Friday	34½	365	283	149	28,342

PENSACOLA, June 19.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	251	...	15,992
Tuesday	143	121	16,014
Wednesday	135	79	16,070
Thursday	142	...	16,212
Friday	202	...	16,414
Saturday	115	248	16,281

CHICAGO, June 25.—Turpentine business is active. The price structure has undergone no definite change of importance recently, but tone is strong, and the feeling in the market seems to be one of considerable confidence in values. Accordingly, inquiries and actual orders are attaining a good volume. Both wholesale and retail trade are reported good. Ruling prices at the close of business last night were:—Five-drum lots, 45c. per gallon; five wood barrels, 50c.; single drums, 48c.; single barrels, 53c.

LONDON, June 25.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	37	6
Monday	37	6
Tuesday	37	6
Wednesday	37	6
Thursday	37	6
Friday	37	6

Stocks of American turpentine in London were:—

	June 25.	Previous week.	Last year.
Barrels	16,440	14,478	7,407

Rosin.—Trade in the local market continued along conservative lines, many consumers still being disinclined to purchase in advance of current or nearby requirements. There was a fair call, however, for small or moderate quantities. The tone of the market was steady or firm as the tendency of prices was upward at times in southern markets, where offerings were generally moderate despite a continuation of liberal receipts. A report was current to the effect that the remainder of the rosin held by the government had been disposed of.

SAVANNAH, June 25.—Rosin offerings were moderate and changes in quotations were comparatively narrow. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.72½	$7.65	$7.82½	$8.07½	$8.10	$8.10
D	7.72½	7.65	7.82½	8.07½	8.10	8.15
E	7.72½	7.65	7.82½	8.07½	8.10	8.15
F	7.72½	7.75	7.82½	8.07½	8.10	8.17½
G	7.72½	7.75	7.82½	8.07½	8.12½	8.17½
H	7.72½	7.75	7.82½	8.07½	8.12½	8.17½
I	7.72½	7.75	7.82½	8.07½	8.12½	8.17½
K	7.72½	7.75	7.82½	8.07½	8.12½	8.20
M	7.72½	7.80	7.82½	8.07½	8.12½	8.20
N	7.72½	7.85	7.85	8.07½	8.12½	8.20
WG ...	7.75	7.90	7.90	8.15	8.20	8.25
WW ...	8.75	8.85	8.85	9.00	9.10	9.10
X	8.75	8.85	8.85	9.00	9.10	9.10
Barrels						
Sales	432	675	428	870	815	528
Receipts...	2,196	1,789	3,121	2,836	2,021	1,301
Shipments.	1,032	2,746	1,847	177	547	...
Stocks ..	59,147	58,190	59,464	62,123	63,597	64,898

JACKSONVILLE, June 25.—The rosin market was quiet with the undertone steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.70	$7.70	$7.87½	$7.85	$7.85	$7.85
D	7.70	7.70	7.87½	7.85	7.85	8.05
E	7.70	7.75	7.87½	8.05	8.05	8.10
F	7.70	7.75	7.87½	8.05	8.10	8.10
G	7.70	7.75	7.87½	8.05	8.10	8.10
H	7.70	7.75	7.87½	8.05	8.10	8.10
I	7.72½	7.75	7.87½	8.05	8.10	8.10
K	7.72½	7.75	7.87½	8.10	8.10	8.10
M	7.72½	7.75	7.87½	8.10	8.10	8.10
N	7.72½	7.75	7.85	8.10	8.10	8.10
WG	7.75	7.80	7.85	8.10	8.15	8.10
WW	8.75	8.75	8.80	9.00	9.00	8.85
X	8.75	8.75	8.80	9.00	9.00	8.90
Barrels						
Sales	...	582	300	434	807	419
Receipts...	806	1,553	1,386	1,132	906	848
Shipments.	7,162	1,600	100	525	...	245
Stocks ..	22,694	22,647	23,933	24,540	25,446	26,049

PENSACOLA, June 19.—The rosin market was quiet. Following is a record for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	673	490	352	335	458	421
Shipments	631	181	1,296	2,081	311	81
Stocks ..	22,280	22,589	21,715	19,969	20,116	20,456

CHICAGO, June 25.—Business has been extremely active in rosin here recently, accompanied by some degree of tightening of tone and actual price advances. The sentiment often encountered in this market is that the low point probably has been reached and that the naval stores represent a purchase at or around this point. Hence, interest is active. Ruling prices at the close of business last night were:—B grade, $10.90 per lot of 280 pounds; G grade, $10.90; M grade, $10.90; W.W. grade, $12.

LONDON, June 25.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	20	3	22	3
Monday	20	3	22	3
Tuesday	20	3	22	3
Wednesday	20	3	22	3
Thursday	20	3	22	3
Friday	20	3	22	3

Shellac

Spot prices on shellac were lower. Bonedry was quoted at 17½c. to 18c. per pound; T. N., 12½c. to 13c.; superfine, 13½c. to 14c. These quotations were subject to substantial competition in a market notable for its dullness, and generally unsettled conditions. Demand has been comparatively light for some time past and the future did not appear to be any too bright last week. The foreign markets have been also unsettled in recent weeks and for the most part the tendency of values in London and Calcutta has been downward. Prices for replacement have been depressed considerably and that, naturally, has had a weakening effect on quotations in the local market.

London, June 25.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

	June 25 Shillings. Cwt.	Cents. lb.	June 18 Shillings. Cwt.	Cents. lb.
August ..	46½	10.1	45½	9.9
October ..	47½	10.3	46½	10.1

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight— August.	October.
June 18.	45s 6d	46s 6d
June 19.	No cables	
June 21.	45s ..	46s ..
June 22.	45s ..	46s ..
June 23.	45s ..	46s ..
June 24.	45s 6d	46s 6d
June 25.	46s 6d	47s 6d

Calcutta, June 25.—Prices quoted on pure T. N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound— June 25.	June 18.
June	9½c	9½c

Quotations in cents per pound were subject to correction in accordance

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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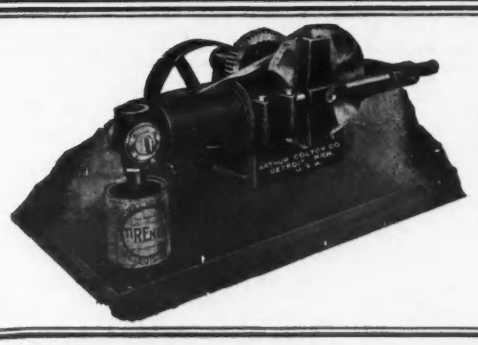
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with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
June 18	9½c
June 19	No cables
June 21	9⅜c
June 22	9⅜c
June 23	9⅜c
June 24	9⅜c
June 25	9⅜c.

Lacquer Materials

Business in the market for lacquer materials continued to be centered on booking business for the third quarter. The outstanding development was a new schedule for tricresyl phosphate. The new schedule called for an increase in price. A higher price for tricresyl phosphate was expected for the third quarter, for the basic material has been moving forward since the start of the new year; in fact, cresylic acid has been in short supply since the start of 1937. Acetone demand was fair. Butyl alcohol noted a fair buying movement and prices ruled steady to firm. Lower production schedules were noted in the automobile industry.

Acetone.—A fair demand was noted for this product during the week. Prices ruled firm.

Butyl Alcohol.—A steady to firm tone prevailed in this market. Demand was good.

Dibutyl Phthalate.—There was little to report in this direction, routine consumers furnished the call, and sellers busy booking business for the third quarter at the new price levels.

Ethyl Acetate.—A fair demand was reported in this direction. Prices displayed a firm tone.

Tricresyl Phosphate.—An advance of 2c. per pound was noted in this product, the higher prices reflecting increased production costs, for the basic material has moved sharply higher since the beginning of the year.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Driers

Stearate contracts were issued to the trade last week for the third quarter of the year and the prices on these agreements were unchanged from those that were previously in force. Manufacturers sent out contracts on Wednesday of last week. Palmitates also continued without change.

Glues and Binders

Casein.—Prices continued in an unchanged position with car lots of 20-30 mesh named at 13c. and similar quantities of 80-100 mesh at 13½c. per pound. Some sellers quoted higher, but did not figure very much in the trading. Production continued heavy.

Glues.—There has been more talk of higher prices for the third quarter of the year, but there has been no general action in that direction as yet. The demands of the market were light.

Turpentine Chemistry Is Research Program

Fundamental research in extension of the determination of the chemical constituents of turpentine gum and of their possibilities in respect of derivatives, is the purpose of a program adopted by the American Turpentine Farmers Association. The work will be done in the G. & A. Laboratories, Savannah, under the direction of Dr. Torsten Hasselstrom.

This research is expected to develop an importance of turpentine gum as an organic chemical raw material, which will give the naval stores industry a new and progressive aspect and take the replaceable products of the pinetree out of the field of agriculture into a broad realm of industrial application. The work will be supplementary and complementary of the research on rosin which the G. & A. Laboratories has been conducting for several years under the auspices of rosin oil manufacturers. The space of the laboratory will be enlarged and new equipment will be installed for the turpentine gum work, W. L. Hopkins, president of the G. & A. organization says.

Dr. Hasselstrom, who is director of research in the G. & A. Laboratories, is a native of Finland and obtained his doctorate at the Technological Institute of Finland for work in chemistry of the terpenes. From 1929 to 1932 he worked at Columbia University in connection with programs of the Rockefeller Foundation. Dr. Charles H. Herty, of the Paper & Pulp Laboratory, Savannah, whose interest in pinetree chemistry is well known, was largely instrumental in the formulation of the program of turpentine research.

Dr. Charles A. Stine, vice-president of E. I. du Pont de Nemours & Co., has been elected a life member of the board of trustees of the University of Delaware.

Dr. Mantell to Direct Gum Importers Research

Dr. Charles L. Mantell has resigned as a member of the faculty of Pratt Institute to devote much of his time as director of research for the American Gum Importers Association, this city, and for the Nederlandsch-Indische Vereenging voor den Handel in Gommen, as association of gum producers in the Dutch East Indies. Dr. Mantell will also engage in private consulting work from his headquarters at 360 Furman street, Brooklyn. Dr. Mantell had been associated with Pratt Institute since 1922 and was in charge of the chemical engineering department. He was at one time technical supervisor for the Aluminum Company of America, at Massena, N. Y. and was also with the Celluloid Company, Newark, N. J. He is a member of several technical societies.

David H. Litter, of the D. H. Litter Company, Inc., paint materials, this city, is convalescing from a recent operation and expects to rest at his home for about a month.

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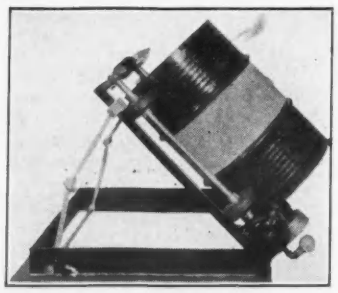
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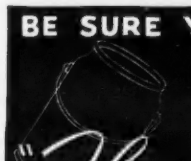
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Oils, Fats and Waxes

Sales of Tallow at a Further Decline—Greases Weaker—Moderate Fluctuations in Cottonseed Oil Futures—Fish Oils Reduced By Refiners—Babassu and Coconut Lower

An easy tone continued to prevail in the market for miscellaneous oils, fats and greases last week, and the trend of quotations was still downward. There was little change in the character of business despite an improvement in the tone of the markets for cottonseed oil and lard futures, the drift of these commodities being upward at times. In some instances a fair inquiry was noted for various edible and technical oils and fats but as a rule purchasing was limited to unimportant quantities to fill the current requirements of consumers.

Coconut oil remained in an easy position, supplies being available here and on the Pacific Coast at further concessions. Chinawood oil had a downward trend at times in company with the course of prices at Hankow. Quotations on oiticica, babassu, perilla and cottonseed oil were again shaded. Sales of crude menhaden oil were reported at a decline and quotations on refined fish oils were reduced by local interests. Animal oils were generally unchanged. A further decline occurred in tallow and greases.

According to advices from an official source, efforts are being made to increase the acreage of vegetable oil plants in the Russian Soviet Union. During 1936 the government obtained a sufficient supply of disease-resistant seed for a large sunflower crop. All cultivation of oil-bearing crops is now handled by tractors, and the cultivation methods practiced have created greater interest of the peasants toward the crops which are now yielding a profitable income. The agricultural plans for 1937 call for an increase of 322,000 hectares of the area planted in 1936 to oil-bearing plants. The area planted to soybeans will be 195,000 hectares. Perilla acreage will be increased from 11,600 to 25,100 hectares.

An Ecuadorian interested in raw materials for the manufacture of soap and candles is in the United States for a visit of six months, covering Los Angeles, Seattle and other Pacific Coast cities. His address while in this country is available to accredited firms upon application to the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Lard, 25c. per 100 lbs.

Reduced

Babassu oil, ¼c. per lb.
Carnauba wax, No. 3, chalky, 1½c. per lb.
No. 2 North Country, 1½c. per lb.
No. 3 North Country, 1c. per lb.
No. 1 yellow, 2¼c. per lb.
No. 2 yellow, 2½c. per lb.
refined, 1½c. per lb.
Chinawood oil, ½c. per lb.
Coconut oil, ⅝c. to ¾c. per lb.
Cod oil, Norwegian, 1c. per gal.
Copra, ¼c. per lb.
Corn oil, ¼c. to ½c. per lb.
Cottonseed oil, edible, ½c. per lb.
Cottonseed oil, imported, semi-refined, ½c. to ¾c. per lb.
Grease, ⅛c. to ¼c. per lb.
Linseed cake, $5c. per ton.
Linseed meal, 50c. per ton.
Japan wax, ½c. per lb.
Menhaden oil, crude, 5c. per gal.
Menhaden oil, refined, 2-10c. per lb.
Oiticica oil, ¼c. per lb.
Peanut oil, ¼c. to ½c. per lb.
Perilla oil, ¼c. per lb.
Sardine oil, refined, 2-10c. per lb.
Sesame oil, ¼c. per lb.
Tallow, ¼c. per lb.
Teaseed oil, ½c. to ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
136.8	140.6	143.2	115.2

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The tone continued easy in the absence of any increase in buying interest. For July forward 8½c. per pound in tankcars was quoted, showing a further decline of ¼c. per pound. Aside from the movement on contracts previously placed, there was little in the way of activity to record.

Chinawood.—Quiet conditions prevailed much of the time last week and the markets here and on the coast remained in an easy position. The trend of prices at Hankow was downward at times although offerings were reported as light. The easier situation abroad as well as weakness in various other oils here, had the effect of making consumers hold off and few transactions were reported, although some business was said to have been closed here at 12 cents, or a point or two under that figure in tankcars, July forward shipment.

Coconut.—Crude oil again weakened, 5¼c. per pound being quoted for August forward in tankcars. Spot oil was still in small supply and nominal in the absence of offerings. The inquiry for futures continued slow, recent developments in copra and competing vegetable products making consumers of coconut oil inclined to hold aloof from the market. Edible oil was also easier, the tankcar price for 76 degrees being reduced by refiners to 10½c. per pound, tax included. A report was current to the effect that crude oil sold at one time during the week on the coast at below 4⅞c. per pound in tankcars.

Corn.—Offerings of crude oil continued light but the tone of the market was easier in company with other commodities, quotations being shaded ¼c. per pound. There was a fair inquiry.

Cottonseed.—Edible oil was reduced ½c. per pound by domestic refiners. Trade was fairly active. Imported oil was easier, quotations being lowered ½c. per pound for semi-refined with the offerings light and prices apparently largely nominal.

Oiticica.—With chinawood oil weak, the market for oiticica was easier, quotations being shaded about ¼c. per pound. There was a fair inquiry. Offerings were light on spot and for shipment.

Palm.—Although competing product was easier, the market for palm oil retained a steady tone, spot supplies being reported as small while offerings for shipment were light. There was a fair inquiry.

Perilla.—Demand was slow and the market had an easier tone, quotations being shaded ¼c. per pound, although offerings were reported as light on spot and for shipment. Exports from Manchuria to the United States during 1936 were 314,204 piculs against 192,223 piculs in the previous year.

Rapeseed.—A firm tone continued to prevail, spot supplies being unusually small and replacement costs abnormally high. On spot there was apparently none available at less than 95c. per gallon.

Soybean.—Selling schedules were maintained at previous levels by producers, but the tone of the market was regarded by some as easy as buying interest continued light.

Teaseed.—The market was easy, quotations being shaded ¼c. per pound. In some quarters a fair inquriy was reported for comparatively small or moderate quantities.

Markets at Other Centers

San Francisco, June 22.—As a whole the market is easy and there is no particular incentive in sight for buyers to take on supplies either for spot or for forward contracts. Most prices again pointed downwards and the situation is viewed largely from a nominal standpoint.

Ruling prices are:—

COCONUT.—The market is spotty. Quoted at 5c. per pound for future delivery in tankcars, f.o.b. Pacific Coast ports and/or mills. Prompt and nearby oil is quoted on the basis of 5½c.

COPRA.—There was some interest shown in the copra market here last week—in a routine way. The situation was easy and buyers were bidding the market down on successive transactions to a point in the neighborhood of 3.20c. per pound, c.i.f. Pacific Coast ports. Yesterday bids were said to have been entered at a flat 3 cents, although the result of this is unknown at the moment. Crushers here expected to get copra on that basis.

BABASSU.—Quoted on the basis of 8c. per pound in tankcars, f.o.b. mill, Pacific Coast, for July-September shipment. Spot and nearby oil is available.

CHINAWOOD.—Easier. Quoted for any position throughout the year, June shipment forward from the Pacific Coast at from 11.70c. to 11.80c. per pound in tankcars, f.o.b. ports.

COTTONSEED.—Easier. Japanese semi-refined oil is quoted at 8.70c. per pound, June-July shipment from the Orient, with spot and nearby stocks and nearby arrivals available on this basis, tankcars, f.o.b. Pacific Coast ports. Brazilian and Chinese oil is quoted at 8.50c. per pound, all duty paid.

PERILLA.—Forward and prompt shipment oil is quoted on the basis of 10½c. per pound in tankcars, f.o.b. Pacific Coast ports, duty paid. The market is quiet.

SESAME.—Crude oil is quoted nominally at 8¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

TEASEED.—Quoted in a nominal position at 8¾c. per pound in tankcars, f.o.b. Pacific Coast ports, July-August shipment from the Orient.

Chicago, June 25.—After receding to lowest levels in some time, several grades of vegetable oil have shown slight improvement in tone. Buying is reported to have picked up to a moderate degree here and there.

COCONUT.—Crude oil, 8½c. to 8¾c. per pound, prompt shipment; 5¼c. to 5⅜c., deferred.

CORN.—Crude, low acid, 8¼c. to 8½c. per pound, mills, partly nominal. Refined, edible oil, 11½c. to 11¾c., drums, car lots; 12c. to 12½c., barrels, less than car lots.

CHINAWOOD.—Ruling spot, drums, 13½c. to 13⅝c. per pound; futures, 12¼c. to 12⅜c.

SOYBEAN.—Crude, prompt shipment, 7¾c. to 8c. per pound, drums.

PEANUT.—Crude, 8½c. to 8¾c. per pound, Southeast.

London, June 17.—Soybean, British crude, 32s., per hundredweight; palm-kernel oil, refined, 34s. 6d.; rapeseed oil, crude extracted, 36s.; coconut oil, Cey-

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lon, 28s.; peanut oil, Bombay crude, 31s. 6d.; Cardine oils, 20s., 9d.; whale oil, crude, 22s. 6d.

Chicago, June 25.—Range of soybeans for the week ended June 23:—Spot, No. 2 yellow, low, $1.19; high, $1.35.

Linseed Oil

Flaxseed futures in domestic markets quiet and irregular. Changes in foreign quotations generally narrow. Linseed oil steady. Cake and meal easier.

Flaxseed—DULUTH, June 25.—Prices steadied this week following the letdown which came as an aftermath to the 4c. bulge June 15. Trading has been at a slow pace, however, with only a few transactions making up each day's dealings in futures. Weather is the all-important market topic at the present time, with the trade keeping a wary eye on the daily maps for conditions pointing to a spread of black rust in the Northwest area. Flaxseed, however, is rust resistant, and infestation such as took place two years ago would have less effect upon the flax crop than upon wheat. In the meantime, Northwest flax prospects are rated "ideal." The local cash market continues at a standstill due to a dearth of receipts, though further quantities of Argentine flax are being handled through Duluth-Superior elevators.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.87½	$1.87½	$1.87½
Monday	1.88½	1.88½	1.88½
Tuesday	1.89½	1.89½	1.89½
Wednesday	1.89	1.89	1.89
Thursday	1.89½	1.89½	1.89½
Friday	1.92	1.92½	1.92½

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1937.	1936.	1937.	1936.
This week..	3,889	128,951	55,196	....
Since Aug. 1...	958,075	3,827,364	1,296,335	2,540,367

MINNEAPOLIS, June 25.—There was no edge to the demand for cash flax during the past week. Offers were fairly liberal, more so than expected, and came from a wide range of territory. Most of the car lots were small and average quality of the seed was pour. One crushing company continued to pick over the daily samples of choicer variety but most of the seed was taken for shipment to storage to deliver on July contracts. There was no competitive spirit shown in the buying. Occasional cars of seed showing heavy dockage content sold at a premium because of the type of screening to be obtained by cleaning.

Argentine sed continues to come in to apply on contracts and crushers do not lack raw material currently. Elevator stocks gained 15,000 bushels in four days. Most of the Argentine quality is going to private storage. Additional quantities are due from time to time but crushers are unable to make fresh purchases of consequence.

Shipping advices on seed continue rather free compared with the amount supposed to be back in the country so there will be no immediate cessation of the domestic movement.

On the whole the outlook is good but through western North Dakota and South Dakota the outcome depends almost entirely on rainfall of the season. In the Red River valley there is plenty of moisture, in fact, too much. Where the soil is heavy and inclined to be sour farmers are praying for dry conditions temporarily. Eastern Montana is in very bad shape and is not apt to figure much in the flax column this season. South Dakota is in the best position in years.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.89½	$1.86½	$1.87
Monday	1.91	1.88	1.88½
Tuesday	1.92	1.89	1.89½
Wednesday	1.92	1.89	1.89
Thursday	1.92¼	1.89¼	1.89½
Friday	1.92	1.91	1.91½

Crop movement in bushels as follows:—

	Receipts—		Shipments—	
	1937.	1936.	1937.	1936.
This week..	319,650	85,000	12,740	24,660
Since Sept. 1...	4,395,910	7,949,270	469,440	1,497,690

WINNIPEG, June 25.—The market for flaxseed futures was irregular in company with grain. The week's closing range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.61⅞	$1.60½	$1.62
Monday	1.64⅜	1.65	1.65½
Tuesday	1.64¼	1.64¾	1.65½
Wednesday	1.63⅜	1.64¼	1.66
Thursday	1.63⅝	1.64	1.65
Friday	1.66⅜	1.66¾	1.69

BUENOS AIRES, June 25.—Opening prices per bushel on July contracts were:—

	Last week.	Last year.
Saturday	$1.27⅞	$1.23½
Monday	1.27⅞	1.23½
Tuesday	1.29	1.23½
Wednesday	1.28¾	1.23
Thursday	1.28⅝	1.23
Friday	1.28⅝	1.23

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	508,000	358,000	20,000
United Kingdom	.....	.....	.....
Continent	232,000	331,000	165,000
Orders	130,000	51,000	67,000
Others	.....	86,000	24,000
Totals	870,000	826,000	276,000

Since January 1

To—	Bushels— This year.	Last year.
United States	16,795,000	5,602,000
United Kingdom	472,000	295,000
Continent	11,500,000	14,929,000
Orders	12,081,000	7,239,000
Others	3,304,000	1,238,000
Totals	44,152,000	29,303,000

Visible Supply

	Bushels.
Last week	6,299,000
Previous week	6,299,000
Last year	5,906,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	136,000	408,000	492,000
Continent	.....	16,000	84,000
Others	.....	.....	.....
Totals	136,000	424,000	576,000

Since April 1—	Bushels— This year.	Last year.
United Kingdom	2,132,000	2,768,000
Continent	100,000	640,000
Others	92,000	44,000
Totals	2,324,000	3,452,000

HULL, June 25.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£12⅞	£15¼
Monday	12⅞	15¼
Tuesday	12⅞	15¼
Wednesday	12⅞	15¼
Thursday	12¾	15¼
Friday	12¾	15¼

Linseed Oil.—The market was a small affair so far as new business was concerned, although the movement into consuming channels on unfilled contracts held up well. Changes in flaxseed quotations were generally moderate and the market for oil had a steady tone, quotations being maintained at the reduced level announced in the previous week.

Production at local mills continued to move out steadily and supplies in the hands of crushers remained unusually light. Advices from outside crushing centers were also to the effect that withdrawals on unfilled contracts were liberal and that there were no additions to supplies at the mills. In the opinion of some, the indications still point to an increase in consumption for the current season as compared with last year, despite labor disturbances in various industries.

There was an impression in some quarters that an improvement in new business may develop after the July government report on the flaxseed crop appears, although there was no change last week in the bearish character of crop news from private sources. Weather conditions last week were generally favorable and less was heard concerning black rust in connection with wheat.

As to the Argentina crop, reports continued to be heard of insufficient moisture in some sections, but as the planting season extends into August unfavorable reports concerning the outlook were without much influence. The unsold exportable old crop surplus remaining in Argentina is said to be considerably smaller than at this time last season.

MINNEAPOLIS, June 25.—Because of labor conditions through the industrial belt trade in linseed oil is quite restricted and there is little to report concerning the past week. Paint manufacturers have been the best takers and continue to absorb the bulk of the oil being sold. At best the sales represent small quantities. Until the labor situation is more tranquil the market is apt to be slow where new business is concerned.

Stocks on hand are very light and shipping instructions on old and maturing contracts are good. In cases where buyers are beset by labor disturbances and are slow with their instructions the crushers are not bothered because they have plenty of shipping orders from other sources and are not making any great quantity of oil currently. About 60 per cent of the presses are in operation right now.

As far as long deferred shipment is concerned interest is slack and probably will be until more is known of the domestic flax acreage and crop outlook.

Quotations on carload lots f.o.b. Minneapolis, cooperage, 11c. per pound, tankcar lots 10.4c. per pound, warehouse lots 11.4c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week	1,921,531	3,216,129
Since Sept. 1	61,478,272	96,358,169

CHICAGO, June 25.—Linseed oil business has been remaining on a quiet basis here recently. Buying has not appeared in any volume sufficient to change the general aspect of the market. At the same time, sellers are restricting their offerings to a little more conservative basis, it appears, so that there is no great glut in the market. Pace of the transactions, however, is not very active. Ruling prices are: Tankcar, 10.4c. per pound; car lots, 11c.; warehouse deliveries, drums, 11.4c.

SAN FRANCISCO, June 22.—Buyers of linseed oil are taking out shipments aganst old contracts right up to date, sellers state, but they are not making many new commitments. Quoted: Tankcars, 10.6c. per pound; drum car lots ex mill, 11.2c.; drum lots ex warehouse, 11.6c.

LONDON, June 25.—Quotations on linseed oil were:—

	Per cwt.— s.	d.
Saturday	28	10½
Monday	28	10½
Tuesday	28	7½
Wednesday	28	7½
Thursday	28	7½
Friday	28	7½

Cake and Meal.—The tone was easier, spot quotations on both cake and meal being reduced 50c. per ton. There was a fair export inquiry for moderate quantities of cake. The domestic call for meal remained slow.

MINNEAPOLIS, June 25.—Linseed meal trade is demoralized and about as dull as crushers ever have found it. Pasturage is the best in a number of years and feeders have plenty of green, lush feeding material for their animals. So far there has been no dry condition through Minnesota or Wisconsin territory to reduce the supply of grass feed.

Millfeed prices toppled because of these pasturage conditions and helped to make bear sentiment in higher protein feeds. Soyabean and cottonseed meals are offered at cheap values and re-sellers are struggling to move some of their linseed meal in order to get shipping instructions.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $35 per ton, nominally. It is very hard to get trading quotations from day to day. Some of the feed mixers are trying to resell their contracts because of the slow demand for their products, much slower than they anticipated.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week	1,178,475	3,268,518
Since Sept. 1	93,562,714	174,303,418

CHICAGO, June 25.—The fine condition of pastures in the north and central country seems to be effectively keeping feeders out of the market for linseed meal. As a consequence buying of this product is slack and the prospective buyers are taking their time about placing orders. Prices have been working lower. Resellers have some material. Round lot business is slow. Ruling prices are:—Round lots, $38 to $38.50, largely nominal; car lots, $38.50 to $39; less than car lots, $41 to $42.

Cottonseed Oil

Changes in refined oil futures were generally moderate. Trading was quieter. Southern markets quiet. Cotton crop news mostly favorable.

Cottonseed Oil.—Trading in refined oil futures in the local market was on a smaller scale last week and while fluctuations in prices were frequent, the changes were within narrower limits than in the previous week, the range between the highest and the lowest quotations of the week on the principal months being about 25 to 30 points. Switching from July to later months was something of a feature of the operations at times, the switching being done at differences of 3 to 6 points, according to position. The long account in July was apparently more extensive than some in the trade had assumed. Refiners were regarded as the chief buyers of July. They were also credited with purchases of October and with sales of later positions, some of the selling of the distant deliveries being regarded as of a hedging character.

Offerings of contracts were rather light at times and it was contended

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by some that the recent decline in prices discounted much that is bearish in the situation, not excepting the possibility of a considerable increase in the production of cotton. Reports in regard to the progress of the new crop were generally favorable, but there were reports of increasing weevil activity in some sections. The trend of lard, cotton and grain futures was upward at ,times developments in the markets for these commodities having a tendency to offset fresh weakness in various oils and fats and the absence of any improvement in demand for cash cottonseed oil. Sales of tallow were reported at a further decline, and offerings of coconut, babassu, corn, peanut and various other oils were reported at concessions. Cottonseed oil at Hull, England, was lower.

Exports of lard from Atlantic and Gulf ports from November 1 to June 19 were 71,882,974 pounds, or 7,791,884 pounds more than in the same time last year. Importations of American lard into Cuba in May amounted to 3,825,721 pounds, establishing a new high monthly record for the current year. Importations during the first five months of 1937 were 15,175,212 pounds against 11,302,263 pounds in the same time last year. New export business in lard was quiet last week, however, and domestic trade in lard and lard compound failed to show any improvement. Marketing of hogs continued moderate, receipts in the principal western centers for four days of the week aggregating 143,300 heads against 192,700 head in the same time last year. The weight of the hogs received in Chicago during the week ended June 18 averaged 259 pounds against 248 pounds in the previous week.

The weekly government report stated that in Texas progress and condition of the cotton crop continue fair to good in most places, with fields generally clean; plants are blooming freely in the South, but considerable replanting is just completed; much of the crop is about two weeks late. In the central states of the belt the crop progress varied from fair to excellent. In the eastern belt there were further reports of weevil activity in the wetter sections, but some improvement in the crop was noted in the Carolinas, while in Georgia progress was mostly very good.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from June 19 to June 25, inclusive, comprised 946 contracts (including 206 switches) for a total of 56,760,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	9.29	8.94	9.22 sale
July	9.27	9.05	9.20 sale
September	9.33	9.05	9.27 sale
October	9.34	9.04	9.25@ 9.28
December	9.28	8.95	9.20 sale

Crude, Southeast, 8.25c. nom.
Valley, 8.25c. nom.
Texas, 8.25c. nom.

Chicago, June 25.—Despite the fact that there is evidence here and there of slightly easier prices in cottonseed oil, the market as a whole probably could be described best as being fairly steady. There have been minor readjustments here and there, without evidence of extensive or basic changes. Good, off-Summer yellow fig oil is 9½c. to 9⅝c. per pound. Refined, edible oil is quoted at 12½c. to 13c. per pound, barrels, car lots; and 13¼c. to 13½c., barrels, less than car lots.

Hull, June 25.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	30	0	27	0
Monday	30	0	27	0
Tuesday	29	6	26	6
Wednesday	29	6	26	6
Thursday	29	6	26	6
Friday	29	6	26	6

Cake and Meal.—Quiet conditions continued to prevail in southern markets so far as spot material was concerned. The Memphis market for futures was farily active, prices being irregular. Offerings on spot were light and quotations were mainly nominal.

Markets at Other Centers

Atlanta, June 23.—Oil is slightly weaker and is down to 8⅜c. per pound. Other items are without change.

Crop conditions are reported favorable. Quotations are as follows:—

OIL.—Prime crude, 8⅜c. per pound.
MEAL.—7 percent grade, $38 ton, interior mills.
HULLS.—$13 ton.

Memphis, June 25.—Crude cottonseed oil remained dull during the past week. The last business reported was at 8¼c. per pound for old crop oil. Some few scattered tanks are now available at 8½c. Meal in the pit market was more active, prices showing an advance of about $1.50 per ton from the recent lows. For spot meal $32 per ton is now quoted, 41 percent, prompt shipment. Slab cake, 41 percent, $29 per ton. Meal for September shipment quoted at $26.50 per ton, October $26 and November-December $25.50, Memphis basis. Fair demand now coming in for fall shipment, some of which is from fertilizer manufacturers. Cotton crop in this section spotted, the general condition not being as good as it was three weeks ago. Some sections report too much grass and considerable replanting has been necessary.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	June 17.	June 24.
July	$31.10@31.40	$30.75@30.95
September	25.35@——	25.50@26.00
October	24.25@24.45	25.50@——
December	24.00@24.50	24.75@25.50

Animal Oils

Lard.—Prices were unchanged and business conditions remained about as noted in the previous week, purchasing being limited to comparatively small or moderate quantities.

Neatsfoot.—The market retained a steady tone, previous selling schedules remaining in effect. Business lacked snap, but there was a fair demand in a jobbing way.

Oleo.—There were reports of a somewhat better inquiry, but actual business was apparently limited to unimportant quantities. Prices ruled steady.

Tallow.—Business was quiet but the tone was steady, previous quotations remaining in effect.

Markets at Other Centers

Chicago, June 25.—Despite some easiness in the basic products, animal oils are moderately firm, and seem to be just about marking time, insofar as actual prices are concerned. There is a certain amount of inquiry, while orders are moderate. Buying is in limited quantity, with many apparently fearing to extend themselves under present generally unsettled conditions.

LARD.—No. 1, 12c. to 12¼c. per pound.
OLEO.—No. 2, 12c. to 12¼c. per pound.
TALLOW.—Acidless, 11c. to 11¼c. per pound, tanks; 12c. to 12½c., drums.

Fish Oils

Cod.—Pale oil for shipment from Norway was quoted in one quarter at 42c. per gallon and dark at 40c. Offerings were reported as light. There was a fair inquiry.

Menhaden.—The refined situation was easier, supplies being available at concessions of 2-10c. per pound as compared with the quotations prevailing at the close of the previous week. Business was rather slow, such transactions as were noted being limited to comparatively small quantities to fill the current requirements of consumers. Crude was easier, sales being reported at 40c. per gallon, Baltimore basis. Reports concerning fishing operations were less favorable, the catch being smaller with the oil content of the fish unusually light.

Sardine.—Refined oil selling schedules were reduced 2-10c. per pound by local interests. The market was reported as quiet. Crude was quiet and nominal on the Pacific coast.

Whale.—The refined situation was steady, quotations being held at previous levels. At the recent conference of whaling delegates at London, an agreement regulating whaling operations in all waters was signed by representatives of the leading nations, including Norway, America, Germany and Great Britain. Japan did not attend the conference. The agreement becomes effective July 1 next, but is subject to ratification.

Markets at Other Centers

San Francisco, June 22.—With fish tonnage allotments made to California's 56 shore plants and two floating reduction boats which will work inshore, coupled with tacit admissions on the part of a number of factories that they are now willing to offer oil, California's sardine oil crop for the coming season was one step nearer to marketing last week.

The week was rather full of interest, aside from the fact that no direct sales of oil were traced. Oil reducers in a number of cases were evidently in a position to fill orders at 45 cents per gallon for crude sardine oil in tankcars, but there were no takers of any moment and no important counter offers could be found, the figure being declared as too high in an oils and fats market that is at the moment not showing up as particularly steady. Sellers, on the other hand, were not showing any anxiety over the matter of making special efforts to produce business.

The Fish & Game Commission, in a meeting last week allocated fish tonnage to the entire list of shore plants and a surprise move hinged around the fact that two floating reduction plants, operating on the high seas last season, applied for allocations to work inshore. The applications were granted. It was not expected that the balance of seven "floaters" will make application, opinion being expressed in the trade that they will again work at sea this coming season. The season starts in August, although peak production will not be under way until the end of the year, when Southern California factories get to work.

It was estimated that the allotments this coming season represent an increase of about 17 percent above those of last season. Collectively, the shore plants will receive permits for about 770,000 tons for open reduction, whereas last season they were alloted 637,500 tons. The "joker" in the allotments, however, revolves around the fact that only 275,000 tons of fish were used for straight reduction purposes, because of their relative scarcity compared with the size of the permits. This figure was in addition to about 240,000 tons used by floaters and approximately 125,000 tons of cannery offal and overage last season. Fish & Game Commission members were slightly pessimistic for the approaching season, pointing out that the catch might be lower because of possible depletion. There were about 3,000 tankcars manufactured last season.

Baltimore, June 23.—After an interval of some weeks, during which not a single transaction in menhaden oil was concluded, several tanks have been sold at 40 cents a gallon. This leaves the market still considerably higher than it ranged during much of last year, with a possibility that the higher figure may be realized in later transactions. The fishing down the Chesapeake Bay has not been especially good, having eased off in the last week as against the previous six days, and the fish are not yielding much oil, with the prevailing estimate at five gallons to each 1,000 of fish. Buyers of oil are content still to go along without mentioning definite prices and the sellers maintain much the same attitude, feeling that the business booked on a when-and-if-made basis was large enough to take care of the production to be expected over part of the season. The big soapers, of course, hold back with quotations and are by no means ready to pay the amount mentioned as the basis of the latest business; while the fishing companies take the view that they are in a good position to wait until it can be determined more definitely what the current season may bring forth in the matter of a call for oil. The catch off the coast of Florida is stated to be good, which may affect the situation here to some extent.

Fats and Greases

Grease.—The market was easier, quotations being shaded ⅛c. to ¼c. per pound. There were reports of a fair inquiry, though consumers were not inclined to anticipate.

Lard.—Domestic trade in cash product was rather quiet and no improvement was noted in the export inquiry. Prices were irregular in company with the changes in futures in the West. Marketing of hogs was on a moderate scale.

Stearin.—Demand was reported as quiet, but there was no pressure of offerings and the market retained a steady tone.

Tallow.—The market for spot tallow remained in an easy position. Demand was rather light much of the time, large consumers being inclined to hold off for further developments in the situation, especially as the trend of various other fats and oils was downward. Offerings showed some increase and sales were reported at 8¼c. per pound for extra, delivered, showing further decline of ¼c. per pound.

Trading in tallow futures on the New York Produce Exchange from June 19 to June 25, inclusive, comprised 9 contracts (including 4 switches) for a total of 540,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close
July	8.15	8.15	8.05@ 8.40
September	8.35	8.34	8.20@ 8.40

Markets at Other Centers

Chicago, June 25.—The cash lard market has been showing some logginess, as possibly a natural reaction to the recent slack and down-trend in the futures market, and uncertainties which have seemed to characterize related markets. Shipping trade has been holding within limited range, and buyers are cautious.

The range of lard quotations from the opening Saturday, June 19, to the close Friday, June 25, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$11.25	$11.92	$11.25	$11.92	$11.35
July	11.37	11.90	11.27	11.90	11.42
Sept.	11.67	12.20	11.55	12.20	11.70

TALLOWS (tierces).—Edible, 8¾c. to 9c. per pound; prime, 8½c. to 8¾c.; fancy, 8½c. to 8¾c.; special, 8¼c. to 8½c.; No. 1, 8¼c. to 8¾c.

GREASES (tierces).—Choice white, 9¼c. to 9⅜c. per pound; A white, 8½c. to 8¾c.; B white, 8¼c. to 8½c.; yellow, 10-16, 7⅞c. to 8c.; yellow, 16-20, 7¾c. to 8c.; brown, 7⅜c. to 7⅝c.

STEARINS (barrels).—Prime oleo, 9½c. to 10c. per pound; lard, packages, 12¾c. to 13c. per pound; A white grease, 8⅞c. to 9⅛c.; yellow, grease, 8½c. to 8¾c.; extra oleo stocks, 12c. to 12½c.; No. 2 stocks, 11½c. to 12c.

Liverpool, June 25.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s.	d.	July. s.	d.	Sept. s.	d.	Oct. s.	d.
Saturday	63	0	57	3	57	9	58	0
Monday	63	0	56	9	57	3	57	6
Tuesday	63	6	57	3	58	0	58	3
Wednesday	63	0	57	0	58	0	58	6
Thursday	63	6	57	6	58	3	58	9
Friday	64	0	58	6	59	0	59	3

Liverpool, June 25.—Quotations per cwt. on tallow were as follows:—

	Choice. s.	d.	Fine, good mixed. s.	d.
Saturday	26	3	26	3
Monday	26	3	26	3
Tuesday	26	3	26	3
Wednesday	26	0	26	3
Thursday	26	0	26	3
Friday	26	0	26	3

Fatty Acids

Red Oil.—The market retained a steady tone, quotations being held by producers at former levels. Business was generally of a conservative character.

Stearic Acid.—A further decline occurred in basic material, but no changes were made in stearic acid quotations. There was a fair demand, though consumers showed little disposition to anticipate.

Markets at Other Centers

Chicago, June 25.—While fatty acids are holding their own moderately well as to price, there seems to be little snap in the market at this time.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8½c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¾c. to 9c., car lots, mostly nominal; 9¼c. to 9½c., barrels, car lots; 9¾c. to 10c., barrels, less than car lots; cottonseed oil, double distilled, 8c. to 8¼c., tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 2⅞c. to 3c.

STEARIC ACID.—Single press, distilled, 12c. to 13c. per pound; double press, 12½c. to 13½c.; triple press, 15¼c. to 16¼c.

RED OILS.—Distilled or saponified, drums, 11⅜c. to 12⅜c.; barrels, 11½c. to 12½c.

Waxes

Bees.—Excellent progress was reported being made with the production of new stocks of white bleached wax. Weather conditions have been mainly propitious for the production of sun-bleached material, but the cost of production, based on raw material bought at comparatively high prices during the past Winter, was sufficiently high to make for very firm prices on the spot. In addition, demand was reported to be very good on the whole and hence the market lacked much in the way of substantial competition.

Candelilla.—Trading was irregular and not productive of a substantial volume of trading during the past week. However, quotations seemed to be generally steady in most quarters, the prevailing prices matching fairly well the cost to replace in the primary market.

Carnauba.—Prices were lower here, notwithstanding the firmness of quotations and the absence of weakness worthy of the name in the primary market. Local conditions were the result of a not too active market; manufacturing consumers have not been trading much of late and consequently a more competitive situation has grown steadily beneath the surface of the market. Not all dealers were meeting the competitive prices, however. Quotations were: No. 3 chalky, ton lots, 36½c. to 37c.; five-bag lots, 37c. to 37½c.; one-bag lots, 37½c. to 38c.; No. 2, North Country, 40c. to 40½c.; No. 3, North Country, ton lots, 37c. to 37½c.; five-bag lots, 37½c. to 38c.; one-bag lots, 38c. to 38½c.; No. 3, North Country, ton lots, 37½c. to 38c.; five-bag lots, 38c. to 38½c.; one-bag lots, 38½c. to 39c.; refined, 41½c. to 42c.; No. 1 yellow, ton lots, 45½c. to 46c.; five-bag lots, 46c. to 46½c.; one-bag lots, 46½c. to 47c.; No. 2 yellow, 44c. to 44½c.

Japan.—Notwithstanding the maintenance of shipments prices in Japan, this item on spot was the subject of price shading that brought quotations down to 9½c. to 10c. per pound, which was barely over the cost to replace. Based on replacement, the spot price should be fully 10c. per pound, it was said.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Baker's fine chemicals

for Pharmaceutical Manufacturers

Drugs, Fine Chemicals

Low Inventories on the Pacific Coast Account for Active Buying in An Otherwise Quiet Market—Production Cost Not Fully Reflected in Prices

Writing on the basis of a broad scanning of the drug and fine chemical market, business was none too active during the past week. Special conditions served to modify that general condition to some extent, but the market in its broader aspects was a fairly quiet affair so far as sales were concerned. In the matter of prices for most items, however, the market was best described as being firm.

The fact that demand from the Pacific Coast was reaching an excellent volume was one of the encouraging but special conditions noted. Although the marine strike on the western coast has been over for some time, the effect

Price Changes

Prices were changed during the past week as follows:—

Advanced

Sugar of milk, 1c. to 2c. per lb.

Reduced

Milk powder, skimmed, ½c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.5	181.5	181.5	179.1

Market news that may have developed after this report was sent to press will be found on page 4.

water shipment to the far west being tied up by the strike is still being felt. Inventories in general ran down substantially and the present excellent sales to the Pacific Coast are the result of that situation.

Another special condition, productive of good demand, was the highly seasonable weather in terms of high temperatures. That condition has raised the sales volume of seasonal items, especially citric and tartaric acid. Still another condition was the continued call for sufanilamide, which in turn kept the call for acetanilide at high levels. Finally, there was the pending advance in muriatic, nitric, and sulphuric acids, effective on July 1. According to some manufacturers, this advance should be reflected in the prices on a number of commodities. This special condition, however, seemed unlikely to be immediately productive of advances which would be warranted.

As a matter of fact, the feeling of manufacturers was that many prices should move up, yet prevailing price psychology keeps the warranted advances in check. Many materials are selling so close to the cost of production that sales thereof are no longer attractive. Yet matters of policy, not even excepting the present labor unrest, result in too low price schedules being retained. At the present time, caution is, more than ever, a guiding factor in market developments.

Acetanilide.—Business continued to run to high volume. Manufacturing consumers' requirements have expanded heavily within a comparatively short time and the situation was declared to be one of such basic strength that values have stiffened substantially. The increased demand has been caused by the marketing of a comparatively new product on a major scale.

Acid, Citric.—Excellent request was reported. Favorable conditions—weather, heat, and the like—have raised the need for this acidifier to a point where volume was running to attractive figures. Prices were very steady.

Acid, Lactic. — Continued demand along broad lines was reported for the USP material and the price position was shown to be firmer than it had been. Stocks were not excessively large.

Acid, Muriatic.—Quotations on the technical grade of this material were recently advanced, to be effective July 1. As yet, new prices have not been made on the chemically pure grade of the article, but prominent sellers expect a rise on the above date.

Acid, Nitric.—A higher price schedule on the technical variety of this acid was made public recently, effective July 1. Higher quotations on the chemically pure grade are expected but the new prices have not been announced.

Acid, Sulphuric.—Higher quotations on technical material to be effective July 1 were made known in the previous week. Chemically pure material is expected to follow the rise but the schedule was not in hand at a late hour last week.

Acid, Tartaric.—Demand was fairly broad and exceptionally steady during the past week. Weather and heat conditions were such as to make manufacturers of beverages call for the article in abundant quantities. Prices were firm because of the good call, and also because of the prevailing cost of production.

Agar.—While demand was not too active, there was still a fairly good call for the better qualities of material and volume compared favorably with that in recent weeks. Quotations were on the firm side here and in the primary market.

Alcohol.—The higher prices recently established on completely denatured, specially denatured, special solvent, and ethyl alcohol occupied a very firm position throughout the past week. Based on production cost, the schedule was said to be fully warranted. Also, the situation as concerned stocks and demand—current and prospective—also supported the new levels. The movement of specially denatured and ethyl alcohol was very good during the period of review. While some industrial users have curtailed consumption somewhat, others have either held consumption steady, or actually expanded their requirements. The market was said to be in excellent condition, with the season of heavy buying of completely denatured alcohol not far off. Statistics on industrial and ethyl alcohol covering production, withdrawals, removals, transfers and month-end warehouse stocks for the month of May, 1937, according to statistics supplied by the Alcohol Tax Unit of the Bureau of Internal Revenue, Treasury Department, were as follows:—

Ethyl Alcohol

Production	16,937,680
Withdrawals, tax paid	2,683,560
Withdrawals, tax paid, for hospital, scientific and educational use	147,880
For United States and subdivisions	38,746
For export	863
*For denaturation	13,013,316
In Puerto Rico for medicinal and beverage purposes	74,841
Stocks, May 31	27,427,740

* Including transfers to vinegar plants.

Denatured Alcohol

	Wine gallons—Completely.	Specially.
Production	926,595	6,515,665
*Removed	919,459	6,591,727
Stocks, May 31	794,472	783,870

* Including amount shipped to bonded dealers.

According to the reports from bonded dealers, 284,508 wine gallons of specially denatured alcohol were received from the naturing plants in May. There were 298,131 wine gallons disposed of to bonded manufacturers. Shipments between dealers totaled 4,782 wine gallons. Stocks on hand at the end of the month totaled 352,222 wine gallons. The above figures are subject to change upon audit of reports rendered to the department.

Barium Sulphate.—The call for material used in X-ray analysis work was said to be fully normal and steady on the basis of prices well stabilized and free from competitive influences.

Bismuth Metal and Salts.—Prices on salts held very firm at levels said fully to warrant an advance in the entire schedule of bismuth salts. However, competition has prevented the rise which is desired in order that salts be placed on a proper basis of profit. Demand was routine. Labor troubles were reported in the plants of one of the leading refiners of the metal.

Borax.—Contract renewals have been coming in freely and in excellent volume. It seemed evident that the requirements of the major consumers buying on contract terms were expected to be maintained close to the high level of consumption noted during the first half of the year. The higher prices have not

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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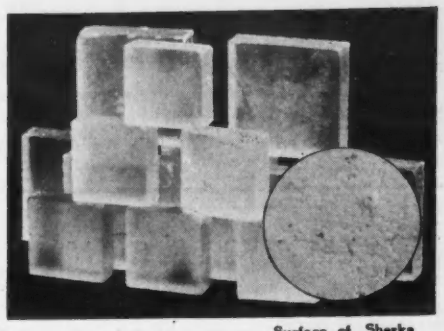

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checked interest in the least; many buyers have indicated that they consider the rise to have been highly conservative.

Cadmium Metal.—Platers were active users of the material and supplies were none too plentiful wherewith to meet the call. To a substantial degree the quotations were nominal and subject to confirmation. Prompt shipments against new orders were not readily obtainable.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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Hawaiian Pineapple Company
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U. S. P.
Stafford Allen & Sons, London, England
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Isdahl & Co., Ltd., A/S
COD LIVER OIL
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Menthol, Lycopodium, Paradichlorbenzene, Quinine Sulphate
McKESSON & ROBBINS, INC.
NEW YORK BRIDGEPORT MONTREAL

Castor Oil.—Fair-sized trading was reported in a very steady market. Prices were well maintained and were free from unsettling influences in the form of price competition. Drive for business, however, was reported to be aggressive.

CHICAGO, June 24.—Business remains quiet and the general aspect is mostly unchanged in the castor oil market. The undertone is steady and quiet. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cocoa Butter.—The market was dull. Demand was narrow and confined mainly to the jobbing requirement of of a comparatively few buyers. Prices lacked change but they were rather easy on the whole.

Codliver Oil.—The fishing season in Norwegian waters is now so far advanced that little likelihood of the catch showing substantial increase is reported from abroad. Locally purchases of substantial quantities for later delivery here have accounted in part for the very firm undertone prevailing on foreign market prices. Spot quotations were steady.

BERGEN, June 7.—Fishing in Finmarken continues very poor and it is now so late in the season that there is no reason to believe that it will pick up. Up to date the total catch and production in Norway amounts to the following figures as compared with previous years, according to the official report issued today:—

	Fish, kilos.	Crude oil, barrels.
1937	155,300,000	67,767
1936	132,300,000	55,119
1935	113,400,000	58,360
1934	140,800,000	74,001
1933	138,400,000	65,315

Last week prices on this market for crude oil remained unchanged and it now remains to be seen in what direction they will go when a change again takes place. Prospects for a decline should in any case not be good.

Epsom Salt.—The higher prices recently set up by the leading producers have failed to dislodge normal trading in the material. Buyers' requirements have been well up to normal for this season, and while trade seemed to be slightly more quiet last week, the market retained a very firm undertone.

Glycerin.—Business has slowed down to some extent in the market for this material. The scarcity of prompt delivery stocks has been relieved in part at least and deliveries to buyers have improved. However, the market has developed a firmer undertone that has been in keeping with a moderate strengthening in the price position of crude material. Holders of crude have become somewhat less anxious to sell domestic material, and not much foreign crude has been bought to come forward. The expected strengthening of the chemically pure and dynamite glycerin markets later in the year seemed to be in the making.

CHICAGO, June 4.—C.p. glycerin remains in good call at the present time, with some indications of stability being noted in the market. Seasonal influences of course are at work. Ruling prices are:—C.p., drums, car lots, 21½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 23½c. to 25c., according to quantity; dynamite, car lots, 21½c.

Iodine and Iodides.—The substantial quantities recently bought by the Army has stirred the market considerably but the business was placed under conditions notable for keeness of competition. In fact, well known suppliers of this group declared last week that so far as iodides were concerned, all prices in the prevailing open schedule were too low.

Menthol. — Hand-to-mouth business was about sufficient to keep open schedules close to steady but volume was not attractive and stocks appeared to be substantial in size when compared with the present takings of manufacturing consumers.

Mercurials.—In view of the substantial strength in the raw material market, mercurials as a whole were in firm position and with demand for the hard group showing a very good volume, the situation was such as to make such material sensitive to any further rise in the cost of mercury.

Methanol.—The lower quotation on denaturing grade methanol, effective June 21, went into effect in a market fairly quiet in most respects but also generally steady at new price levels established. Other grades of methanol were about steady under the influence of moderate trading interest.

Milk Powder.—Quotations on powder made from skimmed milk were lower as follows:—Roller, car lots, 7½c. per pound; less than car lots, 8½c.; spray, car lots, 8½c.; less than car lots, 9½c. Prices on whole milk powder were unchanged. The Agricultural Adjustment Administration continued to buy

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heavily of surplus stocks in order to improve marketing conditions and prices to dairy farmers. Under date of June 24, the AAA announced plans for buying 7,040,000 pounds of dry skimmed milk, making awards to fourteen bidders. Deliveries were to begin at once and will be made from California, Oregon, Idaho, Washington, Wisconsin, Minnesota, Michigan, Nebraska, Illinois, Pennsylvania, and New York at prices varying between 6.5c. and 7.18c. per pound, f.o.b. shipping point.

Quicksilver.—Foreign market prices were firm in all respects notwithstanding the fact that Italy has been shipping substantial quantities to both England and the United States. The fact was that Italy is just about supplying world requirements at this time as the domestic production last year ran about 13,000 flasks and output this year is not expected to exceed that much, if any. Demand locally was about fair so far as domestic metal was concerned.

SAN FRANCISCO, June 21.—Quicksilver followed a more or less routine course last week. It was believed here that consumers' inventories must be rather low, although there was no heavy demand for supplies and the market price remained about the same. Sellers here pointed out that production in this area is not very likely to exceed appreciably the amount of metal mined last year when production of some 13,000 flasks for California and Oregon was noted. It will be a little larger however, according to present expectations.

Quinine.—Very good demand for sulphate to be shipped to southern states continued to be reported. Domestic makers indicated a lively interest to exist, and sellers of imported material were receiving a fair share of the good demand from the south. Prices were very steady.

Rochelle Salt.—Demand was fair to middling at prices held to firm position by the prevailing cost of production. Raw material cost was fully maintained in all respects and that fact kept competition quiet for business in the derived material.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, coving quantities of 100 ounces:—small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅞	44⅛	19⅛
Monday	32⅞	44⅛	19⅛
Tuesday	32⅞	44⅛	19⅛
Wednesday	32⅞	44⅛	19⅛
Thursday	32⅞	44⅛	19⅛
Friday	32⅞	44⅛	19⅛

Strychnine.—Sales to the agricultural areas have been substantial and caused much activity in the producers' plants. However, not much more of this desirable business was expected to be placed this year and the market has reverted to its position of normal activity.

Sugar of Milk.—In car lots, the price was 15c. per pound; less than car lots, ten barrels or more, 16c.; less than ten barrels, 17c. These were prices somewhat higher than had prevailed in the recent past.

Sulfanilamide.—No further lowering of quotations took place last week. The new quotations were on a firm basis that had been created by excellence of demand and a more favorable cost of production.

F.T.C. Started 291 Patman Act Probes

(Continued from page 3)

reopen it and resume prosecution of the complaint in accordance with regular procedure.

Several cases will soon be heard by the commission, the taking of evidence having been completed. The remaining cases are in various stages of trial.

The 291 complaints investigated by the chief examiner's office, or still being investigated by that office, represent only a part of the cases handled under the Robinson-Patman act.

Advice for Industries

As a result of numerous requests to the commission by representatives of various industries for conferences with respect to the Robinson-Patman act and its administration with particular reference to the problems of the individual industries concerned, the commission, desiring to be as helpful to business as possible, permitted members of its staff to discuss with groups of business men and their attorneys problems generally affecting their industries. As a result whole industries revised quantity discounts and inequitable allowances and eliminating the unlawful granting of so-called "brokerage" and other discriminatory allowances.

Business has generally expressed approval of changes to meet the provisions of the law, the commission says. Several hundred individual business men and their attorneys have called at the offices of the commission to discuss the Robinson-Patman act and after such discussions are reported to have indicated an intention to correct practices which they believed might be in conflict with the act. The commission likewise, through correspondence, has aided several thousand business concerns which desired information directly.

Commodities Involved

Food, drugs, and cosmetics constitute more than half of the investigations which have been identified in respect of commodities involved in the data on the 291 investigations initiated. Out of 176 identified cases, involving a total of thirty-six commodities, forty-five have to do with food; twenty-four with cosmetics; and twenty-three with drugs. The list of identified cases comprises the following commodities:—

Ammunition	1
Beverages	3
Books	1
Building tile	5
Buttons	1
Coal	3
Confectionery	2
Cosmetics	24
Dresses	1
Drugs	23
Egg boxes	1
Farm equipment	2
Feed	1
Fencing	1
Food	45
Gasoline	8
Glass bottles	1
Golf balls	1
Handbags	6
Hardware	3
House furnishings	10
Iron pipe	1
Lumber	1
Mill supplies	1
Millinery	3
Optical goods	3
Pipe	1
Poultry	1
Radio	4
Roofing materials	2
Shoes	1
Stationery	3
Steel	2
Textiles	1
Tires	2
Tobacco	7

Dunn Reviews Year of Robinson-Patman Act

Marking the end of the first year of the Robinson-Patman Act against price-discrimination, Charles Wesley Dunn, attorney, this city, and counsel for the American Pharmaceutical Manufacturers Association and several organizations in the grocery trade, has composed a commentary on the purposes and scope of the act and the functioning of the agencies empowered to enforce it. Mr. Dunn finds the act to be constructive in purpose, and the procedure in its enforcement has, in his opinion, been sound. He says:

The Robinson-Patman act principally prohibits unfair price-discrimination by a seller between competing buyers; but it also prohibits a buyer from knowingly inducing or receiving such discrimination. It further prohibits unfair discrimination between competing buyers by a false brokerage payment, disproportionate distribution service, and disproportionate payment allowance for such service. And

(Continued on page 50)

DOW SALICYLATES

Early yesterday this young lady felt miserable. A nagging headache threatened to spoil an enjoyable holiday. From her druggist she purchased a box of Aspirin . . . her headache disappeared . . . her trip was a shining success.

As one of the largest producers of Salicylates in this country, it is most likely that the Aspirin she bought was made by Dow.

What greater incentive to produce to the best of one's ability could exist than the constant reminder that human happiness is involved? Through more than forty years, Dow has grown to a leading place in American chemical production but it has not, and never will, lose sight of its participation in the lives of people.

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

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* DOW

DOW SALICYLATES

Acetyl Salicylic Acid, U.S.P., Crystals and Powder . . . Acetyl Salicylic Acid, Granulation 10% starch (white, pink, green), also 16% and 20% starch (white) . . . Ammonium Salicylate, U.S.P. . . . Magnesium Salicylate . . . Methyl Salicylate, U.S.P. . . . Salicylic Acid, U.S.P. . . . Salol, U.S.P. . . . Sodium Salicylate, U.S.P. . . . Strontium Salicylate, N.F.

*Trade Mark Registered U.S. Patent Office

A PARTIAL LIST OF DOW PHARMACEUTICAL CHEMICALS

Acetphenetidin, U.S.P. • Antipyrine, U.S.P. • Benzoic Acid, U.S.P. • Minor Bromides • Carbon Tetrachloride, C.P. • Chloroform, U.S.P. • Epsom Salt, U.S.P., Recrystallized • Ferric Chloride, U.S.P., X (Solution or Crystals) • Acetyl Salicylic Acid, Granulation, 10% Starch (White, Pink, Green) also 16% and 20% Starch (White) • Methyl Salicylate, U.S.P. • Salicylic Acid, U.S.P. • Sodium Salicylate, U.S.P. • Minor Salicylates • Sodium Benzoate, U.S.P. • Strontium Bromide, N.F. • Tetrachlorethylene, Purified, N.F. • Trichloracetic Acid, U.S.P.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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One-hundred-eighty-second Instalment

Lard Substitutes

Hydrogenating Catalysts Used in Making Lard Substitutes

Carbon
Cerium
Cerium oxide
Cerium salts
Charcoal
Chromium
Chromium carbide
Chromium silicide
Cobalt
Cobalt acetate
Cobalt oxide
Cobalt carbonate
Cobalt formate
Cobalt hydroxide
Cobalt lactate
Cobalt silicide
Copper
Copper acetate
Copper carbide
Copper formate
Copper hydroxide
Copper lactate
Copper nitrate
Copper oleate
Copper salts
Copper silicide
Copper stearate
Iron
Iron, colloidal
Iron acetate
Iron carbide
Iron carbonate
Iron formate
Iron hydroxide
Iron lactate
Iron oxide
Iron silicide
Manganese
Manganese carbide
Manganese oxide
Manganese silicide
Metal acetates
Metal carbides
Metal carbonates
Metal formates
Metal hydroxides
Metal lactates
Metal oxides
Metal silicides
Molybdenum carbide
Molybdenum oxide
Molybdenum silicide
Nickel
Nickel, colloidal
Nickel acetate
Nickel carbide
Nickel carbonate
Nickel carbonyl
Nickel formate
Nickel hydroxide
Nickel lactate
Nickel nitrate
Nickel oleate
Nickel oxide
Nickel salts
Nickel silicide
Nickel stearate
Nickel-aluminum silicate
Palladium
Palladium carbide
Palladium chloride
Palladium oxide
Palladium salts
Palladium silicide
Platinum carbide
Platinum oxide
Platinum salts
Potassium carbonate
Selenium
Selenium carbide
Selenium oxide
Selenium silicide
Silica
Silver
Silver oxide
Tellurium
Tellurium carbide
Tellurium oxide
Tellurium silicide
Thorium
Tin-methyl
Titanium
Titanium carbide
Titanium silicide
Vanadium
Vanadium carbide
Vanadium oxide
Vanadium silicide
Zirconium
Zirconium carbide
Zirconium oxide
Zirconium silicide

Hydrogenating Catalyst Carriers Used in Making Lard Substitutes

Bauxite
Carbon
Charcoal
Clay
Fuller's earth
Graphite
Kieselguhr
Metal cylinders
Paper cylinders
Petroleum coke
Pumice

Ingredients Used in Making Lard Substitutes

Butyric acid
Capronic acid
Carotene
Cholesterin
Coconut oil
Corn oil
Cottonseed oil
Diglycerides
Distearin
Fats
Fatty acids
Glycerin
Lecithin
Linseed oil, hardened
Monoglycerides
Monostearin
Oleic acid
Palm oil
Palm oil, hydrogenated
Peanut oil
Phosphatides
Sesame oil
Stearin
Sunflower-seed oil
Tallow
Tribehenin
Tributyrin
Tricapronin
Triglycerides
Tristearin
Trivalerin
Vitamins
Xanthophyll
Whale oil

Lead

Reagents for Detection of Lead

Ammonium molybdate
Hydrochloric acid
Hydrogen sulphide
Potassium bichromate
Sulphuric acid

Reagents for Electrodeposition of Lead

Ammonium acetate
Calcium acetate
Gelatin
Iron (ic) acetate
Iron (ous) acetate
Iron anodes
Iron chloride
Iron sulphate
Lead acetate
Lead anode
Lead chloride
Lead chlorofluoride
Lead fluosilicate
Sodium acetate
Sodium fluoride

Reagents for Electrodeposition of Lead from Thorium Alloy

Fluoboric acid
Fluosilicic acid
Glue
Hydrofluoric acid
Lead carbonate
Lead hydroxide
Thorium hydroxide

Reagents for Hardening of Lead

Alkali metals
Alkali-earth metals
Aluminum
Arsenic
Barium
Calcium
Magnesium and mercury
Mercury
Potassium, sodium, and mercury

Reagents for Recovery of Lead

Ammonium salts
Ammonium sulphate
Brine
Carbon
Carbon monoxide
Chlorine
Chloridizing volatization
Hydrochloric acid
Manganese dioxide
Potassium chromate
Sodium bicarbonate
Sodium hydroxide
Sodium nitrate
Sodium sulphide
Sodium sulphite
Sulphur dioxide
Sulphuric acid

Reagents for Refining Lead

Amber
Ammonium chloride
Hydrochloric acid
Pine wood
Pine knots
Rosin
Sodium chloride
Sodium hydroxide
Succinic acid
Tin
Zinc
Zinc chloride

Reagents for Separation of Lead from Mineral Ore

Antimony bromide
Arsenic bromide
Bromoform
Hydrofluoric acid
Phosphoric acid
Sodium hydroxide
Sulphuric acid
Tetrabromoethane, symmetrical
Tungsten solutions

Reagents for Volumetric Determination of Lead

Ammonium molybdate—tannin indicator
Ferrocyanide
Potassium chromate—iodide indicator
Permanganates

Solvents for Lead

Aqua regia
Glacial acetic acid
Hydrochloric acid, hot concentrated
Nitric acid, hot dilute
Nitrohydrochloric acid
Sulphuric acid, hot concentrated

Special Reagents for Detection and Determination of Presence of Lead

Anilin
Ammonium thiocyanate-pyridin
Benzidin
Diphenylcarbazide
Diphenylcarbazide, symmetrical
Diphenylthiocarbazone
Dithiozone
Gallocyanin
8-Hydroxyquinolin
Picrolonic acid
Resorcinol
Tetramethyldiamino-diphenylmethane

HEADQUARTERS
for
NEW CROP
Domestic
CRUDE DRUGS

THE GATHERING SEASON IS NOW IN FULL SWING AND WE ARE OFFERING NEW CROP GOODS FOR PROMPT SHIPMENT. WE DO OUR OWN GATHERING, GRADING AND PACKING — ENABLING US TO SERVE YOU BETTER! . . . . . .

WIRE OR WRITE FOR SPECIAL QUOTATIONS

S. B. PENICK & COMPANY
132 NASSAU STREET, NEW YORK
1228 WEST KINZIE STREET, CHICAGO
THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Dunn Reviews Year of Robinson-Patman Act

(Continued from page 49)

it does so by amending and supplementing section 2 of the Clayton act.

This act is a part of the Federal antitrust law. Therefore its general purpose is to secure a state of free and fair competition in interstate trade and to prevent the development of private monopoly therein. But its immediate purpose is to protect a smaller buyer from being unjustly penalized simply because of his size.

The act is partly civil and partly criminal in character. It is enforced by the government through a cease and desist order proceedings instituted by the Federal Trade Commission; through an injunction suit instituted by the Attorney-General; and through a criminal prosecution principally instigated by the Attorney-General. And it is also privately enforced by anyone aggrieved by its violation, through a triple damage suit.

Act Here to Stay

This act is now one year old; for it became a law on June 19, 1936. Its record, during that period, and unlike Gaul, is basically divided into five parts. They are:—(1) Its congressional consideration; (2) its administrative interpretation; (3) its government and private enforcement; (4) its practical or business effect; and (5) its fundamental or economic and social effect.

Its record invites examination accordingly on this anniversary occasion. But my examination, at this time, excludes parts (4) and (5). As to the former part, it suffices now to say that this act has resulted in important and constructive business effects; whereas, as to the latter part, it suffices now to say that the fundamental economic and social effect of this act remains to be determined. I need hardly add that its constructive purposes are beyond challenge.

With respect to its congressional consideration: this consideration includes the introduction of two amendatory bills and a substantial appropriation for its enforcement by the Federal Trade Commission during the 1937-38 fiscal year. The first bill makes section 2 of the Clayton act (amended by the Robinson-Patman act) apply to license agreements as well as sales; the second amends the latter act to exempt sales for government or charitable use; but neither bill has received any committee action; whereas, the appropriation amounts to $458,507. (The bill for this appropriation is now in conference and consequently is yet to be enacted.)

Therefore Congress has shown no disposition to repeal, amend or ignore this act. On the contrary, it apparently remains in overwhelming approval of this act; and determined to secure an aggressive enforcement thereof. And the outlook is that this act will be progressively strengthened to cure weaknesses discovered by its operation and enforcement; and that it will continue to receive strong appropriation support. I should add that in due course the act will doubtless be amended to correct basic defects in it, such as its unjust failure to allow a "meet competition" defense in all enforcement proceedings alike. I should also add that this act will be necessarily included in any plan to revise the Federal antitrust law as a whole, such as that recently suggested by the Attorney-General.

Administrative Interpretation

With respect to its administrative interpretation: both the Federal Trade Commission and the Attorney-General have refrained from any official interpretation of this act in advance of its case enforcement—this aside from broad explanatory statements by the commission and broad expository addresses by its members and counsel. This also aside from a formal opinion by the Attorney-General that the act does not apply to government contracts for supplies, from which the Attorney-General of California has dissented. But representatives of the commission and the Attorney-General have informally discussed the interpretation and application of this act with interested parties.

The goverment's policy of such informal discussion is sound and constructive; and it is undoubtedly right in declining to express any official opinion on a given case of application which presnts a decisive "effect" question requiring due factual investigation. But the government is manifestly wrong in declining to state its official interpretation of doubtful language in the act, which it must make to enforce the act and which business is fairly entitled to know for compliance therewith. The act is full of such doubtful language; and to leave business in the dark on its official interpretation is neither necessary nor fair play.

Enforcement Procedure

With respect to its enforcement, the facts are summarily as follows:—

First: The Attorney-General has instituted no proceeding to enforce this act by injunction suit or by criminal prosecution.

(Continued on page 52)

Botanical Drugs, Gums

Crop Prospects Are Being Studied — Buying Volume Decreases Considerably—Higher Prices Prevail in Domestic Primary Markets—Foreign Values Lack Signs of Unsettlement

The botanical drug market was a quiet affair throughout the past week. Trading was confined within narrow bounds by reason of seasonal influences. With new crops growing throughout the world, manufacturing consumers have developed a tendency to await price developments before covering substantially their requirements of the Fall and early Winter periods. Hence, trading during the period under review was somewhat irregular as to volume from day to day, and in most instances involved small quantities sufficient to cover the need of the moment.

Concerning price developments in connection with new crop merchandise, information in hand at this time fails to forecast many conditions that would appear to be the forerunner of substantial declines in new crop values. So far as the domestic botanical drugs were concerned, it has been necessary to offer fairly high prices to induce workers to bring in deliveries of new crop goods in a volume assuring a fair sized stock of most items. At this time, there is nothing to suggest that the home collected crop will be any larger than that a year ago—and that was one of the smallest collected in several years.

As to foreign grown materials, reports from the sources abroad show that prospects for the crops were not exceptional in most instances and if present price views abroad were informative, then there was reason to believe that prices to the consuming trade will be not much lower than those now prevailing.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	2,736	15,578
Caraway	2,936	15,240
Cardamom (cases)	61	1,428
Celery	339	5,840
Coriander	6,235	7,065
Cumin	1,753	5,883
Digitalis leaves (cases)	143	153
Dill	160	565
Fennel	435	2,117
Henbane leaves (bales)	111	157
Mustard	330	13,987
Poppy	1,150	25,866
Sage leaves (bales)	20	1,131
Sesame	228	9,437
Stramonium (bales)	227	327
Thyme (bales)	311	882
Totals	17,175	105,659

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cottonroot bark, ½c. per lb.
Coriander seed, Morocco, ⅛c. per lb.
bleached, ½c. per lb.
Cumin seed, Morocco, ½c. per lb.
Dill seed, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Java Muntok, ¼c. per lb.

Reduced

Anise, Spanish, ½c. per lb.
Buchu leaves, 3c. per lb.
Copaiba balsam, 2c. per lb.
Cascara bark, ½c. per lb.
Calendula flowers, 3c. per lb.
Colocynth pulp, 5c. per lb.
Caraway seed, ¼c. per lb.
Cardamom, green, 5c. per lb.
Celery seed, Indian, ⅛c. per lb.
Cinnamon, Ceylon, No. 2, ¼c. per lb.
No. 3, ¾c. per lb.
Clove, Madagascar, ½c. per lb.
Zanzibar, ⅝c. per lb.
Digitalis leaves, 1c. per lb.
Gold of pleasure seed, 1c. per lb.
Ginger root, Jamaica, bold, ½c. per lb.
medium bold, ¼c. per lb.
Lobelia herb, 1c. per lb.
Mace, Banda, ½c. per lb.
Mustard seed, English, yellow, ¼c. per lb.
Danish, yellow, ½c. per lb.
Hungarian, yellow, ⅛c. per lb.
Paprika, Spanish, extra fancy, 2¾c. per lb.
fair, 2c. per lb.
fancy, 2¾c. per lb.
medium, 2c. per lb.
Pepper, black, Tellicherry, ½c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Polish, ¼c. per lb.
Pimento, ¼c. per lb.
Rapeseed, Belgian, ¼c. per lb.
Japanese, ¼c. per lb.
Sunflower seed, California, large, ¼c. per lb.
medium, ⅜c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.1	**130.4**	**130.3**	**116.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Quotations were reduced to the basis of 34c. to 35c. per pound for Para and to 36c. to 37c. for the South American U.S.P. item. The movement was in line with the recent increase in supply and competition.

Fir.—Routine request was reported and on the whole the market was a fairly quiet affair throughout the past week. Needs of buyers were well within jobbing proportions, yet values appeared to have a steady quality that suggested the absence of an active competition in local circles.

Barks

Cascara Sagrada.—The spot market eased back to the basis of 12c. to 13c. per pound, notwithstanding the fact that practically all well-informed quarters on spot believed that a comeback in primary market prices was definitely indicated by known facts. Prices early in the season in the primary market opened high for the purpose of encouraging a good sized peel. At the present time, they have dropped far below the true value of merchandise at the source. Upward revision is expected to come sooner or later.

Cottonroot.—The market was 11c. to 11½c. per pound, being higher on the basis of the fact that the available supplies at the source were far less than the normal reserves. The collection last Winter was disappointing, and the stock carried over from a year ago was virtually nil.

Sassafras.—Collections were mounting in the primary market, but the outlook at this time does not favor the erection of more than a conservative stock to meet the demand of the next consuming year. Prices were fully firm.

Soap.—Very fair demand was reported and the market was one of steady undertones. Prices were well maintained at all times and conditions were favorable to the situation being continued for some time to come.

Wahoo.—Declines in prices have stopped; cost to secure new crop root has been high enough to check the downward trend noted in recent market developments. Little or no demand prevailed last week.

Beans

Tonka.—A fair sized demand was noted last week. Not that it was large, nor that it was expanding. Rather, it was of a size dictated mainly by the presence of a fair sized demand from smaller consumers. Quotations were very steady.

Vanilla.—Demand has tapered off somewhat. A considerable portion of the Summer needs of the extract makers have been covered and hence during the past week the movement of beans into consumption was somewhat smaller while the market was generally on the quiet side. Prices were somewhat unsettled and some tendency toward shading was noted.

Berries

Juniper.—A steady absorption of spot stocks was noted. The volume was equal to that current for some time past and that kept prices to a generally steady basis so far as the business done by local dealers was concerned. Undertones were indicative of a market of fairly steady proportions.

Saw Palmetto.—Prices were strong at the recent advance, mainly because of the comparatively poor outlook for the stocks wherewith the consuming trade is to be supplied during the coming season. However, no further tendency upward was reported.

Flowers

Calendula.—Some dealers indicated that they had been able to place orders

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Agar Agar, Aloes, Benzoin Gum, Buchu Leaves, Capsicum, Cascara, Catechu Gum, Cuttle Bone, Deertongue, Digitalis

Dragons Blood, Ergot, Golden Seal, Henna Leaves, Indian Gum, Lavender Flowers, Manna, Mustard, Nux Vomica, Peppermint Lvs., Wahoo Bark
CRUDE J. L. HOPKINS & CO. DRUGS
220 BROADWAY, NEW YORK

MURRAY & NICKELL MFG. CO. Established 70 Years
2606-28 Arthington Street - - - Chicago
BOTANICAL
CRUDE DRUGS MILLED
HERBS - ROOTS - BARKS - SEEDS AND SPICES
WATER SOLUBLE GUMS TRAGACANTH ARABIC - KARAYA
AMERICA'S OLDEST MANUFACTURER - PYRETHRUM PRODUCTS

Gum Tragacanth --- Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

VANILLA BEANS
F. HUBER & CO., - 99 Hudson Street, New York

DI-BUG PYRETHRUM
EXTRACTS AND POWDER
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street Phone Superior 5940 Chicago, Ill.

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOWER)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-4436

Finest Ground PYRETHRUM AND DERRIS POWDERS in the world
These powders contain more killing particles. More effective — more economical. Write for further information.
McCORMICK & CO., Inc.
BALTIMORE, MARYLAND
STANDARDIZED PYRETHRUM AND DERRIS PRODUCTS

abroad at prices permitting them to liquidate some of their holdover stocks on the basis of 40c. to 45c. per pound. Not all of them were following the market down, however.

Elder.—The season has made a crop of fair size abroad, and it is being prepared for the export market at this time. However, prices wanted on shipment goods were said to be holding up fairly firm abroad.

Orange.—Foreign shippers were firm in their views notwithstanding the fact that demand for shipment parcels continued to be rather light so far as this country was concerned. Prices on spot were steady.

Safflower.—Although no lower, this item was fairly easy under the influence of local competition and the absence of more than moderate consuming demand at the present time.

Saffron.—Trading was comparatively light and mainly on jobbing account. Local quotations were held in line with the cost to replace current stocks, which were of fair size yet not excessive.

Gums

Arabic.—Spot quotations remained firm at 14½c. per pound minimum for sorts and the general undertone of the market was one of strength that was fully backed up by the position of the article in the primary market. It now seems to local dealers that the total of production abroad will be considerably less than might be expected normally. Shipments during March, 1937, were 2,540 tons, against 2,488 tons in March, 1936. Shipments during January-March, 1937, totaled 7,365 tons, compared with 6,690 tons in the corresponding period of 1936. The chief destinations were:—

	Tons			
	1936		1937	
	March.	Total.	March.	Total.
Great Britain	610	1,542	655	1,461
United States	238	1,002	572	1,336
France	646	1,466	388	936
Germany	253	759	295	875
Italy	4	4	5	295
Belgium	80	375	105	369
Japan	153	389	17	788
Holland	110	259	100	193
Spain	34	67	...	...
Sweden	41	126	62	192
Australia	94	143	62	232
China	46	99	14	113
Canada	30	48	40	68
British India	10	11	26	61
Denmark	25	60	33	76
Finland	11	24	27	74
Poland	10	15	11	26
Greece	6	29	16	43
Egypt	14	31	21	31

The export figures are made up of the following quantities:—

	Hashab.	Bleached.	Talha.	Total.
March, 1936	2,272	7	209	2,488
March, 1937	2,115	16	409	2,540
Jan.-Mar., 1936	6,340	18	332	6,690
Jan.-Mar., 1937	6,525	29	811	7,365
Difference in 1937	+185	+11	+479	+675

Guaiac.—Moderate to fair demand kept the general position of this material steady and free from unsettling influences. Stocks were of fair, yet ample, size.

Karaya.—Very good demand was current. The movement was seasonal to a considerable extent and hence the recent rise in quotations has been fully maintained at all times of late.

Mastic.—Not much has been done in the market for this article of late. For the most part, buyers' stocks have proven to be sufficient to allow them to remain aloof from the market at this time. However, leading suppliers kept a firm view on values.

Tragacanth.—Although the market was reported to be lower last week, in point of fact there is no surplus of first quality gum on this market, nor is there anything at the source suggesting probable declines of shipment quotations and increase in the quantities offered. Locally, a reasonably good request was noted.

Herbs and Leaves

Buchu.—The market was down to 55c. to 60c. per pound, a figure said to be justified mainly by local conditions. Based on prices in the primary market, those on spot should be around 58c., it was said. Also, the values at the source of supply do not show the least signs of unsettlement, being generally considered to be close to strong.

Digitalis.—Competition brought spot sales at 26c. to 27c. per pound. It was possible that, anticipating ability to buy cheaper in Europe in the not far distant future, some quarters on spot were reducing their carryover stock of goods bought at fairly high cost in the primary market.

Eucalyptus.—Although not in much demand, this item was on the firm side for the reason that the future of supplies was highly uncertain and new crop cost was figured likely to remain comparatively high.

Lobelia.—A shade lower price at 12c. to 13c. per pound confused somewhat the position of fair firmness that had prevailed of late. The probable future trend of the market was considered to be uncertain, but no pronounced weakness was expected to develop.

Thyme.—Demand fell away and the market sagged fractionally to the basis of 9½c. to 10c. per pound. However, the situation abroad did not seem favorable to a price movement likely to result in continued decline in spot quotations.

Miscellaneous

Colocynth Pulp.—The cost of new crop goods, now arriving on this market in substantial quantities, has been such as to warrant the recent reduction in prices. The market was lowered again last week and offerings were firm at 45c. to 46c. per pound.

Ergot.—No further weakening of values was reported, nor was any extension of lower prices expected in the immediate future. The important thing at this time is the almost total lack of authoritative information concerning the new crop of Spanish material. Last year most of the Spanish crop was marketed through merchants in Portugal and it is supposed that this will be true this year because of the abortive attempts of Spanish merchants to do business direct with the consuming countries. In the meanwhile, the market was quiet to the point of being dull.

Irish.—Fair stocks of this article were available at prices considered to be favorable when compared with what was paid in primary markets. Demand was moderate to light.

Lycopodium.—The undertone was firm notwithstanding the lack of many orders last week. The firmness of prices, also a pronounced feature of the market, was based on the absence of many offerings from European sources of supply.

Manna.—Considerable competition was reported in local circles, and, while open quotations were not changed, they were said to be moderately easier and subject to influences that would make further shadng not unlikely in the event of firm orders. Not much call was reported.

Roots

Angelica.—The market has been steady for some time past and it was said last week that in all probability declines in prices had run their course, citing the idea that present quotations here were in line with prevailing replacement costs.

Belladonna.—Nothing adverse has been received regarding the prospect for new crop goods. Conditions were favorable for a fair sized production abroad, though, of course, nothing was known about the alkaloidal content of the roots.

Dandelion.—Some goods rejected on arrival in this country have been reexported and it was suggested that the carryover now available was none too plentiful. Prices were certainly very steady last week even though demand was none too active.

Golden Seal.—Although reports have been somewhat foggy in some instances of late, it has been at last conceded that whole root is being sold into consumption at $3.25 per pound despite the fact that some quarters have declared the market to be not a cent under $3.50. This publication confirms fully the $3.25 per pound price but it may also be said that it is uncertain how long that figure can be retained.

Senega.—The market has held up well in the dull season. The usual decline of substantial sort has not yet taken place. European reports declared that the shipment prices received from the primary market were very steady.

Seeds

Anise.—Spanish seed was back to the basis of 12c. to 12½c. per pound, though some quarters still wanted 12½c. as minimum and that view on the market was fairly well supported by conditions prevailing in the primary market.

Caraway.—Prospect of a fair sized crop in Holland has led to an easing of the market. Spot quotations were reduced to the basis of 7c. to 7½c. per pound in a dull market last week.

Cardamom.—Green seed was shaded to 90c. to 95c. per pound, but other kinds of this item lacked quotable change. Replacement costs were steady. Demand was irregular and mainly jobbing.

Coriander.—Importers declared that it was virtually impossible to buy in the primary market on the basis of a guarantee that the goods would pass government requirements on arrival here. Hence, the market was very firm in undertone and spot quotations at 5⅛c. to 5½c. per pound for Morocco, and 7½c. to 8c. for bleached goods, were firm at an advance.

Celery.—The market was softer and lower at 15¼c. to 15¾c. for the Indian article. French seed was easier but no lower. Demand was slow.

Dill.—Demand by pickling interests has raised prices and late last week the market stood 7¼c. to 7¾c. per pound, being very firm thereat.

Gold of Pleasure.—Quotations were reduced further to 17c. to 17½c. per pound and it was intimated that because of local competition, firm orders could be placed at 16c. per pound with not too much difficulty.

Mustard.—Spot prices were shaded. English yellow as noted at 8½c. to 9c. per pound; Danish yellow, 7½c. to 8c.; Hungarian yellow, 6⅞c. to 7¼c.; Roumanian yellow, 5⅜c. to 5¾c.; Chinese yellow, 7c. to 7½c. These movements were traceable to the absence of much demand here and were somewhat at odds with the generally adverse reports concerning new crop prospects in most countries.

Poppy.—The market eased downward to the basis of 7c. to 7½c. per pound for Dutch, and to 6⅞c. to 7¼c. for the Polish variety of material. Replacement conditions were somewhat easier.

Rape.—Belgian seed was lower at 6c. to 6½c. per pound and the Japanese was available at 6c. to 6½c. These were competitive developments that were rooted, partly at least, in crop prospects and price probabilities at the source.

Sunflower.—Large seed from California was noted at 6½c. to 7c. per pound and the poultry grade was noted at 5⅞c. to 6⅛c. per pound, being slightly more favorable values on the whole.

Spices

Cinnamon.—Quotations were a shade lower under competition, No. 2 selling at 17¼c. to 17¾c. per pound, while No. 3 was noted at 16¾c. to 17¼c. per pound; the latter price was to some extent nominal for the reason that there was a lack of general offerings thereat.

Clove.—Madagascar spice was down to 16½c. to 17c. per pound and Zanzibar was quoted at 18c. to 18½c. The recently and slightly easier undertone to the market was still to be found.

Ginger.—Jamaica root of bold sort was priced lower at 17½c. to 18c. per pound; medium bold, 15c. to 15½c.; bright grinding, 14¾c. to 15c. These were developments resulting mainly from competition. Other sorts of this root lacked quotable change.

Paprika.—Spanish peppers was down. Extra fancy was quoted at 27¼c. to 27¾c. per pound; fair, 23c. to 23½c.; fancy, 26¼c. to 26¾c.; medium, 25c. to 25½c. This movement followed the recently somewhat stronger market and came in company with a more favorable replacement situation.

Peppers.—Spot black Lampong was higher at 6¼c. to 6½c. per pound; Tellicherry, 10c. to 10¼c.; white, Java Muntok, 9¾c. to 10c. Other forms of pepper were unchanged. Demand for spot goods was fairly good, there being a considerable movement to grinders. Activity in the new market for black pepper futures on the New York Produce Exchange was fairly good last week and information in hand indicated that much of the trading was of a speculative character. Grinders were in the futures market but infrequently.

Trading in black pepper futures on the New York Produce Exchange from June 19 to June 25, inclusive, comprised 210 contracts (including 99 switches) for a total of 7,056,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
February	6.32	6.30	6.33@—
March	6.67	6.35	6.39@ 6.41
May	6.79	6.40	6.49@ 6.52
July	6.80	6.49	6.52 sale
September	6.30	6.10	6.11@ 6.13
December	6.50	6.23	6.25@ 6.29

General Naval Stores Company has moved its offices in Chicago from the eighteenth floor to the twentieth floor of the Lake-Michigan building, 180 North Michigan avenue. This move was necessitated by the purchase of the building by the International Harvester Company, which will occupy a large part of the premises; but it gives the General Naval Stores Company more attractive, spacious quarters.

Dunn Reviews Year of Robinson-Patman Act

(Continued from page 50)

In view of the novel and ambiguous character of this act, in large part, such enforcement appropriately awaits that originally taken by the Federal Trade Commission; for the latter enforcement is the primary one; and it is indicated to develop an authoritative construction for general enforcement purposes. Whereas, the former enforcement essentially supplements the latter; and it is designed for emergency or extreme use.

Second: The Federal Trade Commission has instituted twenty-one enforcement proceedings. They are against some thirteen grocery manufacturers, seven cosmetic manufacturers (and selling subsidiaries), numerous soilpipe manufacturers, one floor covering manufacturer (and selling subsidiary), one tile manufacturer, one hat manufacturer, and one bank paraphernalia manufacturer; also against numerous grocery dealers, including prominent chain stores; also against one mail-order house; also against three purchasing agents of grocery dealers and one purchasing agent of hardware dealers. Together and broadly speaking, these proceedings involve all the prohibitions of this act, except its criminal ones. But only one procedings has reached a final order. It is the Procon (a purchasing agent) case; and the order closed this case because that company was dissolved. Consequently this order ordains no construction of the act. As to the remaining cases, eight have reached the stage of final hearing, after evidence (if any) and upon briefs. They are the cases against Kraft-Phenix, Shefford, Bird, Standard Brands, Anheuser-Busch, Hollywood, Biddle, and Christmas Club. Of them the Biddle case, charging a violation of the antibrokerage provision of this act, is most advanced. For the government has filed its final brief therein, which is the first government brief under this act and which brief contains a comprehensive and able discussion of the aforesaid provision. The outlook is for a final order in one or more of these eight contested cases within the next month or so.

It should be added that the commission has informally settled several hundred complaints to it of violation of this act, without enforcement proceeding.

Fundamental Tests

Therefore the commission has principally enforced this act against grocery manufacturers and dealers and with respect to grocery distribution; and next against cosmetic manufacturers and with respect to cosmetic distribution. Which situation is not surprising, because it was grocery and drug dealers who principally sponsored this act. And it follows that the act's application to other major industries and trade distribution remains to be explored. The Procon dissolution is a notable enforcement accomplishment, in itself and because of its practical significance.

The small number of the commission's enforcement proceedings is explained by the difficult enforcement problem initially presented by this act and by the fact of an insufficient initial enforcement personnel and appropriation. And it is appropriately appraised on the basis that these are designed to be fundamental test cases directed to secure basic decisions of interpretation and application. In short and having in mind all the attending circumstances, the commission has undoubtedly made a sagacious, sound, and impressive start on the enforcement of this ac But because none of its contested proceedings has yet reached a cease and desist order the ultimate fact is that an authoritative construction of this act is as non-existent today as it was a year ago.

Moreover, upon the entry of such an order and however valuable it may be as an administrative decision, it remains subject to court review and approval which must come some time later. And it is only upon such review that any raised constitutional question will be determined. Wherefore and as I have repeatedly stated, the enforcement of this act is a piecemeal and long-drawn-out process extending over an indefinite period; and its authoritative construction is a matter of progressive achievement accordingly. But the inception of that construction cannot now be long delayed.

Third: A suit has been instituted in a United States District Court in Missouri for the private enforcement of this act and to recover triple damages from its violation. It is the case of English & Bagby versus Nichols Copper Company, which remains to be adjudged. Other and similar suits are reported; but none has been determined.

The paucity of these suits may occasion surprise; but their progressive increase is indicated, in the long view and as the construction of this act is settled by government cases under it.

American Remedy Company, Philadelphia (Jean G. Subin, Israel Subin and John N. Kinderman) has been ordered by the Federal Trade Commission to cease and desist from false representations in connection with the sale of "American Purest Aspirin," which it distributes in interstate commerce.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Essential Oils, Aromatic Chemicals

Sharp Reductions in Benzaldehyde and Artificial Musk — White Thyme Rising Because of Uncertain Future—Erigeron Up —Laurel Lower—Peppermint Crop Reports Adverse

Seasonal items kept the market for essential oils active last week and the movement of both lemon and orange to buyers operating under term contracts was full evidence of the excellent consumption of their manufactured products at this time. Aromatic chemicals were notable for sharp declines in the quotations on benzaldehyde and musk. Erigeron and thyme oils were higher, while the oil produced from laurel leaves was substantially lower.

The changes in quotations on both benzaldehyde and artificial musk were the first to take place in a considerable period of time. However, conditions had been such as to forecast a possible movement of prices in favor of buyers; competition had been gaining steadily. The new levels make both materials highly attractive to buyers.

Demand for lemon and orange oils was much of a feature. Seasonable weather conditions have raised the consuming requirements of many buyers and while new orders were not substantially larger, the shipments to buyers working under term contracts was gaining steadily. Prices on lemon tended toward a stronger position.

Adverse reports concerning the progress of the peppermint crop were noted; too much wet weather was the basis of complaint. Locally, dealers awaited further developments, especially as country prices changed little or not at all.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Erigeron, 20c. per lb.
Thyme, white, 5c. per lb.

Reduced

Benzaldehyde, U.S.P., 40c. per lb.
Laurel, $1.50 per lb.
Musk, artificial, ambrette, 30c. per lb.
ketone, 30c. per lb.
xylol, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
82.3	82.3	82.0	70.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—The market was steady most of the time. Stocks were still too conservative in size to encourage much in the way of local competition. Prices were well maintained in keeping with the cost to replace.

Apricot.—Fair request prevailed. Interest of buyers was up to that in recent weeks and the general tone of the market was one of substantial firmness. Stocks were of fair size.

Bergamot.—Firm prices and fair demand were the rule last week. The position of the article in Italy was one of strict control as to price and quantities offered. Actual consuming request on this market was confined to prompt needs.

Birch Tar.—Moderate inquiry was reported, but sales made a moderate total last week and the general market position of the material was steady and generally well supported by local dealers.

Bois de Rose.—The movement was fair to good. Most orders were for small quontities, but there were a number of them that made a reasonably satisfactory showing by the close of the period. Prices were steady.

Cajeput.—Sellers reported a current movement that was about even with reasonable expectaitons at this time of the year. Prices were fully firm in all directions.

Camphor.—Some said that the market was slightly unsettled and that from time to time there had been occasional shading of quoted figures. However, in the main the undertone of the market was opposed to any important movement of prices in favor of the manufacturing consumer.

Cananga. — Hand-to-mouth business was the rule. Buyers traded in jobbing quantities and the total of sales was conservative in size. Quotations appeared to be reasonably steady.

Capsicum (Oleoresin).—A very fair movement was reported at firm prices. Production costs have been hitched to a very firm raw material market and hence quotations on the oleoresin have remained very steady for some time past. They still were in that position last week.

Caraway.—Movement was steady, in good volume, and took place at firm prices. The position of the material in the primary market was fully maintained. Stocks were sufficient to cover any reasonable expansion in trading.

Cassia. — Manufacturing consumers makers were still takers in fair-sized quantities but operations at the plants were understood to be on the decrease and some shift in consumption of the oil may take place. Prices held steady.

Citronella.—Prices for Ceylon oil in the primary market continued to be fairly easy; at least, they were favorable for operations on the part of importers for consumption. Local quotations were also rather easy and subject to shading, it was said.

Clove.—Buyers operating under contracts were taking deliveries with promptness and despatch, indicating a good-sized manufacturing requirement. The market continued to be firm in all respects.

Coriander.—Somewhat more interest was disclosed but the extremely high prices prevailing have tended to make former consumers seek substitutes where possible. Stocks were very low.

Dill.—Shipments to manufacturers of pickles were still very good, giving the market the basis of substantial firmness in all directions and tending to keep competition confined within narnow bounds.

Erigeron.—Quotations were higher at $1.65 to $1.70 per pound. While consumption was fundamentally small, it was also said that the carryover would be small, too. This article does not carryover well, being subject to spoiling rather easily.

Eucalyptus.—Only distant futures were available from the source. Goods coming forward were reported to be well sold into consumption, too. Hence, the spot position of the article was strong.

Juniper Tar.—Stocks were moderate and the local prices were always firm last week. Replacement of current supplies was highly uncertain.

Laurel. — A substantial reduction brought quotations down to the basis of $6.50 to $6.75 per pound, being the result of a lower price on replacement goods and the development of a fairly lively spot competition.

Lemon.—On the whole, this item seemed to tend toward the stronger side of market developments. Prices in Italy were well maintained at the recent advances and the tendency was still upward. California oil was steady to firm in all directions. Leading dealers indicated that a substantial movement to buyers operating under term contracts was afoot, indicating that consumption was running to seasonal levels.

Lemongrass.—The tendency in prices seemed to be downward. Spot dealers indicated that business was none too brisk and some quarters were disposed to shade the market on occasions. However, no open change was reported during the period under review.

Lime.—Very good demand was reported. The movement was abreast of seasonal requirements in most years and on the whole the consuming activ-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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ity in the market was at least equal to recent levels. Prices were firm.

Orange. — Contract customers were taking out tenders promptly and in a volume indicative that ultimate consumption of the article was along the lines to be expected at this season of the year. Some sellers reported a very sharp rise in the quotations on terpeneless oil.

Peppermint.—Some adverse crop reports have been received at last. In some respects, it has been a somewhat unusual season to this time; the usual reports of drought, heat, too much water, and insect infestation have not been very prominent in the reports from the source. However, complaint about undue amount of rain has come to the spot. It may be indicated, however, that the prices which middle western dealers will pay the consumers have not been raised, nor, so far as could be learned, have the quotations of the dealers been advanced to any important extent. Locally, dealers held aloof and awaited further developments.

Thyme.—Quotations on white oil have been advanced to 85c. per pound in drums and 95c. in cans for the ordinary article. Red oil lacked change but was firmer. Uncertainty concerning further shipments from the source has strengthened the market substantially.

Aromatic Chemicals

Benzaldehyde.—Prices were reduced substantially last week. Quotations on the U.S.P. X material were established at 85c. per pound in quantities of 50 to 100 pounds; and at 90c. to 95c. per pound for quantities ranging 5 to 25 pounds. This was the first change to be made for a very long time and resulted from competition and an improved production situation.

Benzyl Alcohol. — Quotations were about steady and the market position was one based on a fair sized and generally steady movement into consumption.

Benzylidineacetone. — The call was somewhat irregular much of last week. For the most part, it was for small quantities needed immediately. Long term protection of requirements was not indulged in to any important extent. Prices remained firm.

Citral. — Steady movement was reported. Sales were confined to normal quantities, but the total of transactions was said to be very good. Quotations were also steady, production cost being fairly well stabilized at the present time.

Geraniol.—A fair amount of competition ruled locally, but so far as prices were concerned the market appeared to be reasonably steady and almost totally free from unsettling conditions. Demand was moderate to light throughout the period.

Geranyl Acetate. — Somewhat more than the recent demand was noted. Buyers' inquiries were more numerous and sales gained within moderate limits. Values seemed to be somewhat firmer on the whole late last week.

Heliotropine. — Sellers indicated that the market was steady and that quotations were steady to firm last week. While sales were not on the gain, volume was being maintained at levels approximately those noted in recent weeks. Quotations were steady.

Ionone. — Depending on the variety required, sales were moderately satisfactory and on the whole the call had a steady quality that gave firmness to current quotations named in all quarters.

Linalyl Acetate.—The firmness of bergamot oil, plus the comparatively high cost thereof, contributed much to the very good call for this synthetic equivalent. Demand was said to be broader than it had been and prices were reported steadier.

Methyl Cinnamate.—Movement was somewhat irregular, varying considerably from day to day without prices being affected adversely thereby. Replacement cost was the solidifying factor that kept prices generally firm in all quarters. Stocks were ample.

Musk.—Artificial material was reduced rather sharply in price. Ambrette was established at $3.90 per pound; ketone, $4.05; and xylol, $1.15. These were minimum quotations based on purchases of 100 pounds or more. For quotations on smaller quantities, see Prices Current.

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Obituaries

Colonel Hugh L. Cooper

Colonel Hugh L. Cooper, pioneer hydroelectric engineer, who designed and supervised the construction of the Wilson Dam at Muscle Shoals, and the Dnieprostroy Dam and power station in Russia, died in his home in Stamford, Conn., June 24. He was seventy-two years old. Born in Sheldon, Minn., Colonel Cooper was graduated from the Rushford, Minn., high school in 1883, and then started work as a common laborer on bridge construction. He turned to the new science of hydroelectric engineering as a young man and grew up with it. He constructed dams in Africa, South America, Europe, Canada, and Mexico, as well as in various parts of the United States. He was a member of the American Society of Chemical Engineers, the American Society of Mechanical Engineers, the American Institute of Mining and Metallurgical Engineers and other similar bodies in this country and abroad.

Surviving are his wife, Mrs. Frances Graves Cooper, two daughters, Mrs. Ralph M. Sheldon, and Mrs. John R. Hardin, jr.; a sister, Mrs. Maud C. Bachelder, LaCrosse, Wis., and a brother, Dexter P. Cooper, Eastport, Me.

Oliver G. Carter

Oliver G. Carter, president of C. W. H. Carter, Inc., manufacturer of lithographic varnishes and specialties for the manufacture of printing ink, this city, died unexpectedly June 21 of a heart attack. He was sixty-three years old. Mr. Carter was born in Brooklyn, the son of C. W. H. Carter, who founded the business in 1865. With his brother, the late C. Harris Carter, he incorporated the business in 1909 and became president and treasurer. His home was in Brooklyn and he was a member of Emanuel Lodge, 636, F. and A. M., and the Crescent Athletic Club. Surviving are his wife, and three children.

J. H. Stahl, manager of the Hammond division and plant of the Swift & Co. Fertilizer Works, Hammond, Ind., died June 14. After playing golf two days before, he was stricken the next morning, and died the following day. He was a native of Pennsylvania and was educated at Ohio State University. Except for his service overseas in the World War, he had been associated with the company since 1913. His home was in Chicago.

Jacob Mathias, brother of Joseph Mathias, president of James B. Horner & Co., essential oils, this city, died on June 18 after an illness which confined him to his bed for many months. He was 87 years of age.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Air Reduction Co	Com.	Q.	25c.	July 15	June 30
Air Reduction Co	Com.	Ext.	75c.	July 15	June 30
American Agricultural Chemical Co.	.....	..	$1.50	June 30	June 16
American Maize Products Co	Pfd.	Q.	$1.75	June 30	June 16
American Potash & Chemical Co.	.....	..	$1.50	June 22	June 15
Barnsdall Oil Co	Com.	Q.	25c.	Aug. 2	July 10
Canfield Oil Co	Com.	..	$1.00	June 30	June 19
Canfield Oil Co	Pfd.	Q.	$1.75	June 30	June 19
Carnation Co	Com.	S.	50c.	July 1	June 17
Carnation Co	Pfd.	Q.	$1.25	July 1	June 17
Colon Development Co	6% pfd.	..	1½%	.....	.....
Colon Development Co	5% pfd.	..	1¼%	.....	.....
Coronet Phosphate Co	Com.	..	$1.00	July 1	June 21
Cudahy Packing Co	Com.	Q.	62½c.	July 15	July 3
Cunningham Drug Stores	Pfd.	S.	$3.00	July 1	June 21
Devoe & Raynolds Co	Cl. A	Q.	75c.	July 1	June 21
Devoe & Raynolds Co	Cl. B	Q.	75c.	July 1	June 21
Devoe & Raynolds Co	2d pfd.	Q.	$1.75	July 1	June 21
Dominion Glass Co	Com.	Q.	$1.25	July 2	June 15
Dominion Glass Co	Pfd.	Q.	$1.75	July 2	June 15
Dow Drug Co	Pfd.	Q.	$1.75	July 1	June 19
Eagle-Picher Lead Co	Com.	..	10c.	July 1	June 15
Eagle-Picher Lead Co	Pfd.	Q.	$1.50	July 1	June 15
Emerson Drug Co	A com.	Q.	50c.	July 1	June 22
Emerson Drug Co	B com.	Q.	50c.	July 1	June 22
Fuller Brush Co	2d pfd.	Q.	$1.75	July 1	June 22
Gair (Robert) Co. (Del.)	Pfd.	Q.	75c.	June 30	June 22
General Printing Ink Co	Com.	..	30c.	July 1	June 17
General Printing Ink Co	Pfd.	Q.	$1.50	July 1	June 17
Glidden Co	Pfd.	Q.	56¼c.	July 1	June 17
Hazel-Atlas Glass Co	.....	Q.	$1.25	July 1	June 17
Hickok Oil Corp	7% pfd.	Q.	$1.75	July 1	June 21
Hickok Oil Corp	5% pfd.	Q.	31¼c.	July 1	June 21
Holly Oil Co	CS	..	25c.	June 15	May 31
Hook Drugs, Inc	Com.	Q.	12½c.	July 1	June 19
Hook Drugs, Inc	Com.	Ext.	12½c.	July 1	June 19
International Nickel Co	Pfd.	Q.	$1.75	Aug.	July 3
International Vitamin Corp	Com.	Q.	12½c.	June 22	June 17
Jeannette Glass Co	Pfd.	Q.	$1.75	July 1	June 25
Johns-Manville Corp	Pfd.	Q.	$1.75	July 1	June 17
Kendall Mfg. Co	Com.	Q.	30c.	July 1	June 20
Lambert Co	Com.	Q.	50c.	July 1	June 17
Lion Oil Refining Co	Com.	Q.	25c.	July 20	June 30
Lion Oil Refining Co	Com.	Ext.	25c.	July 20	June 30
Liquid Carbonic Corp	Com.	Q.	65c.	July 1	June 15
London Tin Corp	Com.	..	7%	.....	.....
MacAndrews & Forbes Co	Com.	Q.	50c.	July 15	June 30
MacAndrews & Forbes Co	Pfd.	Q.	$1.50	July 15	June 30
Mar-Tex Oil Co	Com.	Q.	5c.	June 30	June 18
Mar-Tex Oil Co	Com.	Ext.	1c.	June 30	June 18
McColl-Frontenac Oil Co	Pfd.	Q.	$1.50	July 15	June 30
Merck & Co	Com.	..	25c.	July 1	June 18
Merck & Co	Pfd.	Q.	$1.50	July 1	June 18
Miller Wholesale Drug Co	Com.	..	12½c.	July 1	June 22
Metal & Thermit Corp	Pfd.	Q.	$1.75	June 30	June 21
Mutual Chemical Co. of Amer	Pfd.	Q.	$1.50	June 28	June 17
Navarro Oil Co	Com.	Q.	10c.	June 30	June 19
Noxzema Chemical Co	Com.	S.	30c.	July 5	June 30
Noxzema Chemical Co	B com.	S.	30c.	July 5	June 30
Panhandle Eastern Pipeline Co	Cl. A	Q.	$1.50	July 1	June 21
Panhandle Eastern Pipeline Co	Cl. B	Q.	$1.50	July 1	June 21
Parke, Davis & Co	.....	..	40c.	June 30	June 19
Petroleum Trading Corp	Cl. A	..	62½c.	June 25	June 15
Plough, Inc	Com.	Q.	30c.	July 1	June 15
Pratt & Lambert, Inc	Com.	..	50c.	July 1	June 16
Procter & Gamble Co	8% pfd.	Q.	$2.00	July 15	June 25
Root Petroleum Co	Pfd.	Q.	30c.	July 1	June 19
Supertest Petroleum Co	Com.	S.	50c.	July 2	July 16
Supertest Petroleum Co	Com.	Ext.	25c.	July 2	July 16
Supertest Petroleum Co	Ord.	..	50c.	July 2	July 16
Supertest Petroleum Co	Ord.	Ext.	25c.	July 2	July 16
Supertest Petroleum Co	B pfd.	S.	75c.	July 2	June 18
Swan-Finch Oil Corp	Com.	..	25c.	June 25	June 14
Swan-Finch Oil Corp	Pfd.	..	$3.00	June 25	June 14

Petroleum Solvents, Lubricants, Fuels

Paraffin Wax Continues to Strengthen—Supplies Light—Gasoline Movement Is Seasonally Active—July Crude Needs Estimated at 3,423,800 Barrels Daily

Paraffin wax has assumed the spotlight position in the petroleum products market in so far as price strength was concerned. A short supply of wax at refinery points has already raised the price of fully refined wax for export above the market for the domestic trade and most followers of the market expected an early increase in the prices for home consumption. For the past several years, the f.a.s. prices for export wax were lower than those quoted to consuming buyers here, but the situation has been reversed now. Scale wax was very tight and semi-refined was hardly available. Some of the sellers have been bidding for wax, but there was very little material offered for nearby shipment. Tulsa reported that some refiners in the Midcontinent were sold up through July; a similar condition was reported from Pennsylvania.

The tankwagon and retail price reduction on gasoline throughout the middle west which was initiated by a leading refiner recently has had a marked affect upon buying in the Midcontinent. However, the gallonage moving into consumption seemed to be making good, seasonal progress and the latest report on storage stocks of motor fuel showed a decrease of about 4,000,000 barrels from the peak of a few weeks back. Storage stocks June 19 were 76,574,000 barrels.

The Bureau of Mines forecast of crude oil needs for July was estimated at 3,423,800 barrels or 57,800 barrels higher than the daily average estimated for June. 1937, and 453,500 barrels higher than the actual daily production of July, 1936. The domestic demand for motor fuel in July has been estimated as 52,300,000 barrels.

Daily average production of crude oil in United States for the week ended June 19 was 3,510,950 barrels, a decrease of 4,950 barrels from the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended June 19 was 3,534,700 barrels and the average at this time a year ago was 2,963,400 barrels. Runs of crude to stills were reported as having averaged 3,059,000 barrels for 84.3 percent of refinery operation, according to reports made to the A.P.I. from companies representing 88.8 of the nation's refining capacity. An additional 261,000 barrels was estimated to have been sent to stills unreported for a total average of 3,320,000 barrels against 3,250,000 barrels in the preceding week. Crude oil stocks June 12 were 307,199,000 barrels, according to the Bureau of Mines, against 307,223,000 barrels June 5.

Solvents and Diluents

Tankwagon prices for petroleum thinner in the Trenton, N. J., area were advanced last week. The reduction in tankwagon prices in the middle West, which was initiated by a leading marketer two weeks ago, has been followed by other large marketing companies. Tankcar markets continued in a steady position at East Coast, Midcontinent and Pacific Coast refinery points. The demands of the market continued good and the naphthas used in the manufacture of surface coatings have not shown any sign of the diminishing demand that is usual in the advent of the hot weather months.

Cleaners' Naphthas.—The tankwagon prices named in the middle West, exclusive of taxes, were now as follows:—Chicago, 12.1c. per gallon; Decatur, 15c.; Evansville, 15½c.; Des Moines, 14.8c. Milwaukee, 15.3c.; Minneapolis, 15.4c.; Omaha, 15.4c., and St. Louis, 14.7c. per gallon. Lots of 150 gallons were 1c. cheaper throughout.

Petroleum Thinners.—The price for tankwagon lots at Trenton, N. J., was advanced last week to 14c. per gallon, less 2½c. per gallon for a net of 11½c. per gallon. The new price structure for tankwagons in the middle West, exclusive of taxes was a follows:—Chicago, 12.1c. per gallon; Evansville, 14.7c.; Des Moines, 13.8c.; Milwaukee, 14.3c.; Minneapolis, 14.4c.; Omaha, 14.4c., and St. Louis, 13.7c. per gallon. Lots of 150 gallons were 1c. per gallon less.

Stoddard Solvent.—The tankcar market continued in a steady position at all refinery points. Tankwagon lots in the middle West were now quoted, exclusive of tax, as follows:—Chicago, 11½c. per gallon; Decatur, 12.9c.; Evansville, 14½c.; Des Moines, 13.8c.; Milwaukee, 14.3c.; Minneapolis, 13c.; Omaha, 14.1c., and St. Louis, 13.6c. per gallon. In lots of 150 gallons and over, the price was 1c. per gallon cheaper.

V. M. & P. Naphthas.—Surrounding conditions in the bulk market were firm and the demands were reported as having been active. Tankwagon prices in the middle West were now quoted as follows:—Chicago, 12.1c. per gallon; Evansville, 15.7c.; Des Moines, 14.8c.; Milwaukee, 15.3c.; Minneapolis, 15.4c.; Omaha, 15.4c., and St. Louis, 14.7c. per gallon. These prices were exclusive of tax and in lots of 150 gallon or over were available at 1c. per gallon less.

Markets at Other Centers

Chicago, June 24.—The petroleum solvents and diluent market was quiet and without major feature. Orders from consuming lines were reaching sellers at a fairly well sustained rate. Offerings in the market were not especially burdensome. Ruling prices in tankcar lots except as noted were (tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 5⅛c. to 5¼c. per gallon; cleaners' naphtha, 7⅝c. to 7¾c. per pound, tankcar, 17.1c., tankwagon; petroleum spirits, 6⅜c. to 6½c.; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7¼c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.6c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.1c., tankwagon.

Tulsa, June 24.—A good demand for V.M.P. naphthas came into the Midcontinent field and movement was maintained at a higher rate than a week ago. Quotations were steady with the range from 6⅞c. to 7⅞c. per gallon for the various grades including, Stoddard, Cleaners and V.M.P.

Lighter Fractions

There were no further changes in the price structure of petroleum ethers and lighthydrocarbons in the group of liquefied petroleum gases. As reported here a week ago, drumcar prices on ethers and pentanes were reduced while the tankcar prices for pentanes and octanes were advanced. Heptanes in tanks were lower.

Heptanes.—As reported a week ago, producers reduced tankcar quotations on 77-115 deg. material 1c. per gallon to the basis of 8½c., f.o.b. Group 3.

Octanes. — There was no further change in the market for this mixture since the recent increase of 2c. per gallon in the tankcar price which was now 10½c. per gallon at Group 3. Drumcars were quoted at 13c. per gallon and 1.c.l. quantities at 15c. per gallon, also f.o.b. Group 3.

Pentanes.—The new price set-up on the normal industrial product placed tankcars at 8½c. per gallon and drumcars at 14c. per gallon, f.o.b. Group 3. As reported previously there was no change in the laboratory grade.

Petroleum Ether.—The market's shift of a week ago was not extended further and quotations for 30-60 deg. and 40-75 deg. ethers continued at the newly established basis of 14c. per gallon, f.o.b. Group 3.

Petrolatums and Waxes

White Mineral Oils.—The market continued to idle through last week. There was very little business in the placing of new contracts and the takings against existing agreements were light and scattered. The sellers reported that there was no weakness in the price structure and quotations were held at schedule.

Paraffin Waxes.—Some market observers expected an increase in the domestic prices for fully refined wax but it has not taken place yet and the f.a.s. prices for export were now 20 points above the prices quoted to domestic accounts. Heretofore, the foreign prices were 5 points lower than the prices named domestically. The market was very strong and the offerings were light. Scale wax remained very firm at 2.90c. to 2.95c. per pound for 122-124 A.m.p., and, 2.95c. to 3c. per pound for 124-126 A.m.p. Few of the sellers were offering the lower prices of the market's range and most of the larger suppliers quoted 2.95c. and 3c. per pound respectively.

CHICAGO, June 24.—The market for refined wax has continued along quite firm lines, and in some respects it seems strong and in good tone. There are sufficient orders to keep material moving out readily, and the volume of inquiries suggests continuing good business. Ruling prices are:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, June 24.—Paraffin wax reached another new high in inquiries and movement. The 124-26 American crude moved at 3c. to 3⅛c. per gallon with most of July's output already absorbed. Several plants were completely sold up for the month.

Petrolatum.—There was no change in the position of the market last week. Truly things looked stronger now than at any time since the beginning of the year and the increase in Pennsylvania crudes earlier in the month has increased production costs but some of the refiners were content to go along with the current schedule. Needless to say there was no weakness in the prices.

Fuels and Lubricants

Kerosene moved into a higher position at the East Coast bulk points last week. The demands had not been very lively but higher tanker transportation costs forced the advance in prices. Gasoline was strong and many followers of the market expected an increase in tankcar prices within the next few weeks. Pennsylvania lubes were quite steady.

Tankwagon Price Changes

BALTIMORE.—Effective June 16, service station price of 18c. per gallon was established for gasoline by the Standard Oil Company of New Jersey. Establishment of this price was to take care of one station reopened temporarily under direct operation by the company.

Market Conditions

Gasoline.—The local bulk market held a firm place at no change in prices last week. The movement out of refineries continued to show good, seasonal dimensions. Stocks of motor fuel at all refineries totaled 76,574,000 barrels on June 19, which was about 4,000,000 barrels lower than the peak of a few weeks back. Tankcar prices for 65 octane continued at 7½c. per gallon; 62-63 octane was quoted at 7¼c. per gallon. Both of these quotations were for tankcar lots, f.o.b. refinery. The motor fuel demand for July was estimated by the Bureau of Mines last week as 52,300 barrels or 12 percent higher than the actual demand July last year; exports estimated for July were 2,800,000 barrels or a gain of 200,000 barrels over the June estimate. The export market for gasoline at the U. S. Gulf was unchanged last week with quotations as follows:—U. S. motor, 5⅞c. to 6c. per gallon; 60-62, 390 e.p., 6⅛c. to 6¼c. per gallon; 60-62, 400 e.p., 6c. to 6⅛c. per gallon, and 64-66, 375 e.p., 6¼c. to 6⅜c. per gallon.

Kerosene.—The market strengthened and local tankcar prices advanced ½c. per gallon in some directions. Leading refiners posted 6c. per gallon for tankcars, f.o.b refinery. Although the market had been sluggish and demands did not exceed seasonal limits, the increased tankcar transportation cost forced the refiners to mark up prices. The increased price stimulated buyers' interest in the market last week and while there was some material available around 5¾c. per gallon, inquiries for large quantities of 41-43 water white material could not be placed at that level.

Fuel and Gas Oils.—The bunker oil market continued with two prices

Outputs and Quotas

A comparison of Bureau of Mines calculations for June production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended June 19, follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ...	625,300	625,300	632,200
Kansas	190,700	190,700	194,350
Texas 1,354,000	1,352,775	1,396,400	
Louisiana ...	252,000	254,650	253,900
Arkansas ...	28,300	.....	28,650
Eastern	118,200	.....	120,750
Michigan ...	38,400	.....	42,250
Wyoming ...	51,000	.....	46,650
Montana	15,400	.....	17,350
Colorado	4,800	.....	3,600
New Mexico.	102,000	114,500	116,450
California ...	585,900	*602,915	638,400
Totals 3,366,000		.....	3,510,950

* Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline at Pennsylvania refinery points was higher.

	June 25	June 18	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.399	$1.399	$1.286
Gasoline prices at refineries (at four refining centers) per gallon.....	.056375	.054375	.0555

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937 Jan. 1-June 26	1936 Jan. 1-June 26
Commercial crude oil production	596,924,000	510,643,000
	Week ended June 26, 1937	Week ended June 27, 1936
Daily average production	3,502,700	2,951,500
	Week ended June 19, 1937	Week ended June 12, 1937
Estimated motor fuel stock total	76,574,000	76,996,000
Estimated finished motor fuel stock at refineries	45,951,000	46,903,000

quoted. Some sellers quoted C grade oil at $1.35 per barrel, and others quoted $1.50 per barrel. The Diesel oil situation was steady. The Bureau of Marine Inspection of the Department of Commerce has inaugurated a tabulated periodical report on American steamships of over 500 gross tons which burn oil for fuel. The vessels are listed according to their ports, and for each are given data on gross tons, deadweight, speed, tankage, bunker capacity, cruising radius, and type of service. Copies of the first (May 1) issue of this report may be obtained by addressing the bureau in Washington.

Lubricating Oils.—Pennsylvania oils held a steady position and there were no changes reported in neutrals, bright stocks or cylinder oils. The inquiries and orders placed were slightly less active than they were in recent weeks, but the volume moving out of the refinery points was sufficient to keep the market free from price disturbance.

Markets at Other Centers

Tulsa, July 24.—A more hopeful sentiment prevailed in the Midcontinent field. Despite unsatisfactory prices in gasoline sold on contract which is nearly ½c. per gallon under the spot quotations, there was more confidence in the belief that the volume of consumption, which is rising to new peaks daily, may lift backward quotations to a level more closely approaching parity with current prices of crude oil. This view was due to the expectation that the volume of consumption of gasoline over the July 4 holidays will be unprecedented.

The lower tankwagon quotations to dealers of the mid-West, although having had no effect on the quotations of the spot market, have nevertheless affected trading. The margin of differential in favor of the contract buyer is too large for the latter to ignore and maximum requirements are being drawn, whereas during high consumption periods spot market purchases have been more advantageous.

In contrast with the mixed condition in motor fuel strength is gaining daily in the natural gasoline market. There was talk of another ⅛c. advance impending as the buyers were bidding for supply. The throughput of another important plant on the Gulf Coast was stepped up another 10,000 barrels recently, providing an impetus to the greater usage of naturals.

Following are the prices on the basis of Group 3 quotations:—

GASOLINE.—Only change is in volume of trading which declined but prices were unchanged. U. S. motor continued at 4⅞c. to 5¼c. for low octane while the 63-67 octane ranged from 5⅜c. to 5⅝c. per gallon and the 68-70 high octane 6c. to 6¼c. per gallon; 64-66 gravity was 5⅛c. to 5⅜c. while the 68-70 degrees was 5¼c. to 5½c. per gallon.

NATURALS.—The 26-70 grade was quoted at 3⅝c. in Oklahoma and Texas while the 22 pound was 4c. and the 18 pound was 4⅜c. to 4½c. per gallon.

KEROSENE.—Prices were unchanged for the 41-43 grade at 4½c. to 4⅝c. per gallon with a few sales going for 4c. and 4¼c. to 4½c. for the 42-44 grade.

DISTILLATES.—Inquiries were increasing and a few refiners selling a negligible quantity are already withdrawing from the market. No. 1 straw and prime white were quoted 3¾c. to 4c. per gallon while the No. 2 ranged from 3½c. to 3⅝c. per gallon and the heavier gas oils dark were 3¼c. to 3½c. per gallon.

FUEL OILS.—There has been a revival in inquiries in these products this week. Railroads and industrial plants have come into the market for late Summer and Fall supply. Heavy grades were scarce at the lowest prices. The 24-28 cold test was unchanged at $1.07½ to $1.12½ per barrel while the high cold test was 90c. to 95c. per barrel. The residual fuels were still quoted 80c. to 85c. per barrel regardless of gravity from 18 degrees downward but a larger movement going at top prices.

Chicago, June 24.—Gasoline consumption was running at a seasonally high level, and gallonage of representative units in the trade was correspondingly good. The tankcar market was still unsettled by the tankwagon situation, which has narrowed the distance between tankcar and tankwagon prices. Refinery prices were showing little change up to the present time. Orders are being placed now for delivery around Fourth of July holiday, when consumer demand was expected to be around its all-time peak. Kerosene was duller and a little softer. Heating oils were seasonably slow. The heavy fuel oils in this immediate situation was unfavorably affected by the steel strike. Lubricants held strong.

GASOLINE.—Low octane motor, 5⅛c. to 5¼c. per gallon; middle octane motor, 5½c. to 5⅝c.; high octane motor, 6⅛c. to 6¼c.; 60-62, 400, 5⅛c. to 5¼c.; 64-66, 375, 5⅛c. to 5¼c.; 68-70, 360, 5¼c. to 5⅜c.

KEROSENE.—42-44, water white, 4⅜c. to 4½c. per gallon; 41-43, water white, 4¼c. to 4⅜c.

FURNACE OILS.—No. 1 prime white, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3⅜c. to 3½c.; No. 2 dark, 3¼c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1.07½ to $1.15 per barrel; No. 5, 85c. to 90c.; No. 6, 75c. to 80c.

New Orleans, June 22.—The steady trend of the past few weeks was again noted in the domestic market—quotations remaining unchanged. U. S. motor gasoline was quoted at 6⅝c.; below 62 octane, 6⅝c.; 63-67 octane 7c.; and 68-70 octane at 7⅜c., all per gallon at refinery.

Kerosene continued at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at $1.05 per barrel at terminal and $1.10 per barrel delivered alongside, while industrial plants were quoted on a basis of $1.46 per barrel, delivered.

Eastern Nu-Enamel Company, this city, has filed a certificate in the office of the Secretary of State at Albany, increasing its capital stock from $100,000 to $210,000.

McKesson & Robbins Inc. Buys Milwaukee Drug

The executive committee of McKesson & Robbins, Inc., meeting in this city, has approved the terms of a contract to acquire the assets of the Milwaukee Drug Company, Milwaukee, Wis. The latter, founded in 1848, is the State's oldest and best known wholesaler of drugs. The contract takes effect at the end of July, when the firm name will be changed to the Milwaukee Division of McKesson & Robbins. McKesson's present liquor distributing house at Milwaukee will be merged with the new drug division. The modern 5-story, 82,000 square foot plant of the newly acquired unit will be used as headquarters. For the time being, no change in management is contemplated.

Acquisition of this company will provide McKesson & Robbins with wholesale drug houses in 66 cities in 35 states. The parent company is one of the world's largest wholesale drug distributing organizations, and in addition it manufactures more than 400 ethical and proprietary items at Bridgeport, Conn., where extensive plant and research laboratories are maintained. The newly-acquired unit was founded by Thomas A. Greene, a native of Providence, R. I. He went to Milwaukee in 1848; bought a drug business, and then, with Henry Button, formed Green & Button in the same year that Wisconsin became a State. The business prospered steadily. In 1894 a new concern, the Jerman, Pflueger & Kuehmsted Company, was organized to take over the business. In 1905 the new company was reincorporated as the Milwaukee Drug Company.

Kentucky 1936 Cosmetic Tax Payable by Dealers

The Kentucky Court of Appeals has refused to disturb a recent decision holding the 1936 cosmetic tax act constitutional. The tax has been repealed since the litigation started.

The State tax commission is holding all dealers liable for the tax during the period it was in effect. The dealers have been resisting payment and employed former Federal Judge Charles I. Dawson to represent them.

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Fertilizer Materials

Nitrate of Soda Offered for July-October Delivery at $1 Per Ton Rise — Bagged Material for Immediate Shipment Unchanged—Potash Booking Heavy

Forward prices for nitrate of soda appeared Thursday, but the sellers offered only up to October 31 delivery. The July-October price on material in bulk was increased only a dollar per ton over the June price, and, for the time being, the prices for bagged material will remain unchanged. However, orders for bagged material were being booked for immediate delivery only and were subject to change without notice.

Except for the appearance of this anxiously awaited development, there was very little life or feature in the market for fertilizer chemicals last week. Potash contracts for operation under the maximum discounts were being placed in increasingly active volume as the time for bookings neared expiration. The opportunity to book under the 12 percent discount expires Wednesday and the usual "last minute" booking rush was expected.

Organic ammoniates were idle in almost every marketing center. Feeders were not giving the market much attention either, but the prices were being held with a surprising steadiness.

Strikes and labor difficulties in the steel industry have cut the production of sulphate of ammonia in by-product coke ovens in the Ohio district and buying on the long term contracts has been stimulated. One Baltimore fertilizer manufacturing plant was reported closed last week because of a strike.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, import, 5c. per unit.
Nitrate of soda, bulk, July-Oct., $1 per ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
64.0	64.0	64.0	62.9

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The bulk price was advanced $1 per ton for July-October delivery. And for the time being bag prices remain unchanged from the levels of the season now ending. Sellers of domestic and imported material were offering bulk material only for delivery up to October 31 and quoted $26.50 per ton for that position; the June price was $25.50 per ton. For the present and for immediate shipment only, 200-pound bags were priced $26.80 per ton and 100-pound bags $27.50 per ton. The prices were c.i.f. usual ports and subject to change without notice. Suppliers would not book any forward business in bags. The Commerce Department reported that the President of Chile in a recent message to his Congress stated that trade restrictions in many countries are such that the volume of Chilean nitrate sales is not likely to reach levels attained prior to the world depression, but he pointed out that the turnover during the nitrate year 1934-35 was almost 25 percent greater than the preceding year and that in the year following a further advance of 32 percent was recorded over the 1933-34 period. Sales during the year ending June 30, 1937, were expected to be 40 percent greater than during 1933-34, despite the almost total loss of the Spanish market. Annual production has increased correspondingly, and should be 750,000 metric tons greater this year than in 1933-34. Some 21 plants were in operation during 1936. Imports of sodium nitrate into the United States last year, practically all of which originated in Chile, aggregated 472,335 tons against 390,800 tons in 1935 and 122,866 tons in 1933. During the first four months of the current year a total of 393,330 tons of sodium nitrate were imported into the United States which compared with receipts of 288,475 tons in the corresponding months of 1935.

Sulphate of Ammonia.—The labor strikes in the steel industry and the resultant drop in the rate of production has stimulated interest in the booking of sulphate contracts for the new season. There has been a popular response to the new type of schedule which the leading sellers inaugurated this year. The Department of Commerce obtained official statistics on exports of sulphate from Manchuria for 1936, which were the equivalent of 195,197 tons against 109,489 tons in the previous year. A substantial part of the 1935 tonnage came to this country but there were no deliveries to United States last year.

Dried Blood.—A sale of imported material was registered last week at $3.65 per unit, a rise of 5c. over the former sales figure. The sellers, however, continued to quote $3.70 per unit as the market. The Chicago market continued in a steady position at $3.25 per unit with the offerings moderately sized. The New York market lacked activity and quotations continued at $3.50 per unit. There was very little local interest.

Castor Pomace.—There has been no change in the position of this commodity and little buying interest has been shown. The quotation for domestic material was nominally $25 per ton at the producing points.

Fish Scrap.—There has been no recent trading in unground menhaden futures and the market continued in a nominal position at $4 and 10c. per unit-ton, f.o.b. factories. Buyers were not prone to pay that figure and the sellers did not attempt to push the market. Some ground menhaden meal appeared for sale in Baltimore at $59 to $60 per ton. Japanese sardine meal was very quiet and $50 per ton which was named for July-August shipment from abroad was hardly more than a nominal figure. Lower bids would probably be accepted if they were firm. The price for nearby arrival continued at $52 per ton.

Nitrogenous Material.—The Western market continued in an unchanged position with $3.25 per unit named, basis Carrollville, and $3.15 to $3.25 per unit at Chemical. There was very little buying attention in the market.

Tankage.—The local market idled through the week. Imported material was quoted at $3.80 and 10c. per unit-ton for shipments from abroad—basis c.i.f. The New York market was $3.50 and 10c. per unit-ton for either ground or unground. The Chicago price was $3.25 and 10c. per unit-ton for either ground or unground.

Potashes

Only a few days remained for the buyers to place orders at the maximum discount basis. Contract bookings were expected to be heavy during the fore part of the week as the 12 percent discount offering for delivery in equal monthly tonnages from July 1 to next January 31, expires Wednesday. Although sellers could not determine from the bookings placed up to date whether the trade would buy more potash this year than they did last season, it was generally opined that the tonnage booked early would not be smaller than that taken in the early part of last season.

A Department of Commerce report from Jerusalem indicated that the first section of a new plant for refining Palestinean potash will be completed this year. This unit, which is the first of three to be constructed, was said to have a larger capacity than the plant which has been turning the material out during the past few years. There has been no potash from the Dead Sea imported here since 1934 albeit total exports of potash from Palestine have increased from 11,427 tons in that year to 18,124 in 1935 and 23,372 tons in 1936.

Phosphates

The phosphate materials market was featureless during the week under review. There was very little buying interest and there were no changes in price reported. The recently advanced position of bone materials in Chicago was well held.

Bone Materials.—The increase in the prices for domestic bone products in Chicago was well held and there were no further changes in the domestic market last week. Imported materials were also without price shift and there was not very much life in the market.

Superphosphate.—The market was lacking in developments of importance last week. Steadiness was perhaps the principal feature of the market and the sellers were booking for July-December position at $8 per ton for the run of the pile, basis 16 percent, and $8.50 per ton for guaranteed 16 percent material, both basis Baltimore.

Sulphur and Pyrites

The suppliers of sulphur reported that the movement of material has not been directly affected by the labor strikes in the steel and other industries but there has been and probably will be some indirect effect. For the present, business was fairly good and the paper mills in Canada and the northern border states were taking in substantial quantities via water. The acidulators in the fertilizer industry were taking in moderate supplies. The price situation continued unchanged with $18 per long ton named at the mines—the price that has been in effect for more than 10 years.

Markets at Other Centers

Atlanta, June 24.—Market interest in fertilizer materials in the South was passive. Base goods manufacturers will stimulate the next demand. Large producers are usually the earliest buyers but current reports do not indicate purchases.

Southern producers were hopeful about supplies of sulphate of ammonia regardless of labor disturbances that are reducing the output, and regard the price advantage for early buying as the main factor favoring immediate purchases.

Crop conditions in the South continue favorable and promising for the future market.

Quotations were as follows:—

SUPERPHOSPHATE—nominal.

NITRATE OF SODA.—Waiting new prices, $25.50 ton, bulk, port basis, still applies

SULPHATE OF AMMONIA.—$28.50 to $29.50 ton, part basis.

COTTONSEED MEAL.—Seven percent grade, $38 ton, interior producing points.

NITROGENOUS.—$3.15 to $3.25 per unit, midwestern basis.

BLOOD.—$3.25 unit, Chicago.

TANKAGE.—$3.25 and 10c. per unit, Chicago.

BONE.—$25 to $27 ton 3 and 50, Chicago; $29 and $30 ton 4 and 50, Chicago.

Baltimore, June 24.—With one fertilizer manufacturing company closed by a strike and with the employees of a sulphuric acid manufacturer under organization by labor leaders, the situation in the fertilizer manufacturing industry here has taken on a disturbing aspect. The market for crude materials was very quiet. Prevailing quotations were as follows:—

FISH SCRAP.—No sales of unground were reported last week, with the quotations nominal at $4 and 10c. per unit-

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

NV
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90 — 95% K_2SO_4
Min. 95% K_2SO_4
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ton. Fishing off the Florida coast was reported good with scrap at $45 per ton f.o.b. Jacksonville. Japanese sardine meal was still quoted at $52 per ton and for nearby arrival at $50 per ton for July shipment; August shipment was $49 per ton c.i.f.

TANKAGE.—$3.50 and 10c. per unit-ton.

BLOOD.—$3.60 per unit c.a.f. basis Baltimore.

SUPERPHOSPHATE.—Inquiry continued fairly active with offerings not large. Quotations stand at $8 per ton for run of pile, with 16 percent milled and screened supplies at $8.50 per ton.

GARBAGE TANKAGE. — Quotations were still around $9 per ton f.o.b. shipping point, which brings the price to approximately $13 per ton here.

Chicago, June 24.—A steady market situation continued in most grades of fertilizer materials here. Interest of the buyers kept material moving fairly well. Blood, moderately offered, was holding its own in price at this time. Tankage business has been reported fair of late. Offerings have been not excessive. Bone materials were quiet and featureless, with some orders reported.

BLOOD.—Principal grade, $3.25 to $3.50 per unit of ammonia.

TANKAGE.—High grade, $3.25 to $3.50 and 10c.; low grade, $24 to $25; liquid stick, $2.55 to $2.60; hoof meal, $3.60 to $3.70.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $23 to $24; 3 and 50 percent, $25 to $27; 4½ and 50 percent, $29 to $30; grinding hoofs, pigs' toes and waste horn materials, $24 to $26; junk and hotel kitchen bones, $24 to $26; cattle jaws, skulls and knuckles, $33 to $35; pork cracklings, soft pressed, $50 to $55; beef cracklings, soft pressed, $45 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

San Francisco, June 24.—Sulphate of ammonia shot suddenly into the limelight of market interest last week when sellers of the domestic product announced a $2 per ton increase in their price schedule to the trade. The new prices went into effect at once. The trade apparently had a previous inkling of the boost as there was understood to have been considerable bookings of this product just prior to the raise. Sellers of Canadian sulphate followed suit, also advancing their levels. Ammonia phosphate also figured in a $2 per ton advance last week. Elsewhere in the market conditions remained quiet, little interest being evidenced in organics.

Ruling prices were:—

NITRATE OF SODA.—100-pound bags, $28 per ton; 200-pound bags, $27.30 per ton; Bulk lots $26 per ton all ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Quoted at $31.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles harbor and $32.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $33.50 per ton. Prices in effect for delivery to end of June, 1938.

AMMONIA PHOSPHATE.—Quoted at $41 per ton, single bags; $41.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign material, nominally quoted at 97c. per unit in bags, c.i.f. Pacific Coast ports.

FISH MEALS.—California sardine mael is quoted at from $50 to $52.50 per ton, prompt shipment, f.o.b. cars, San Francisco/Monterey. Japanese sardine meal, fertilizer grade, quoted on the basis of $42 to $43 per ton, June/July shipment from the Orient, ex dock. Japanese machine-dried, quoted at $46 per ton, ex-dock, San Francisco.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at $3.30 and 10c. per unit-ton, nominally, f.o.b. cars, Los Angeles. Dry rendered, ground, quoted nominally at 82c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 67½c.

BONE MEAL.—Domestic bone meal, steamed, quoted in range, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic quoted at $3.35 per unit, nominally, f.o.b. cars, Los Angeles.

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Natural Potash Nitrate
Natural Iodine
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Fertilizer Conference to Be Opened in Virginia June 30

A conference on sales and applications of fertilizers will be held in Virginia June 30 to July 2. It will be opened in Blacksburg and three sessions will be held there June 30. Soil conservation, erosion control, pasture fertilization, and the Patman act will be discussed.

July 1 the conference will move to Chatham for a discussion of fertilization of cotton and tobacco and a tour of the tobacco experimental plats. The last day will be spent in Norfolk, where a description of the State truck experiment work will be heard and the truck experimental plats will be inspected. There will also be discussions of fertilization problems with relation to coastal plain soils, vegetable crops, and early potatoes.

Reservations and arrangements for the Blacksburg sessions are being handled by W. H. Byrne, of that place. Those planning to attend the Norfolk sessions are asked to make their own hotel reservations, but should notify Dr. H. H. Zimmerley, director of the Virginia Truck Experimental Station, in order that adequate arrangements may be made for the luncheon at the station July 2.

Count L. A. B. Dru of London, chairman of the board of directors of American Potash & Chemical Corporation, was a recent visitor to the corporation's plant at Trona. He was accompanied by H. S. Emlaw, president.

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100 dms, W Cooper & Nephews, Caledonia, Glasgow
72 dms, Franconia, Liverpool
17 dms, American British Chem Supplies, Franconia, Liverpool
20 dms, Monsanto Chem Co, Franconia, Liverpool
COTTONSEED OIL—60 dms, Volendam, Rotterdam
FATTY—211 bbls, Volendam, Rotterdam
OXALIC—25 cks, 14,979 lbs, Black Heron, Rotterdam
SOYBEAN OIL—147 dms, Leghorn Trading Co, Spaarndam, Rotterdam
60 bbls, Volendam, Rotterdam
SPERM OIL—60 bbls, Volendam, Rotterdam
STEARIC — 50 bgs, Binney & Smith Co, Spaarndam, Rotterdam
77 bgs, Binney & Smith, Volendam, Rotterdam
ALBUMEN, BLOOD — 5 bbls, Morningstar-Nicol, Deutschland, Hamburg
IMPURE PROD—10 cks, Franklin Import & Export Co, Deutschland, Hamburg
ALMOND CAKE—4 bgs, Peek & Velsor, Saturnia, Trieste
MEAL — 5 bbls, Ungerer & Co, American Merchant, London
ALOE—300 cs, Medea, Curacao
200 cs, Selma Mercantile Corp, Caracas, Aruba
ALUMINUM LEAF—35 cs, Globe Shipping Co, Deutschland, Hamburg
AMIDOGUANDINE SULPHATE—4 cs, Remington Arms Co, Deutschland, Hamburg
AMMONIA, CRYST—3 cs, Yardley & Co, Britannic, London
SULPHATE — 500 bgs, Bradley & Baker, Volendam, Rotterdam
500 bgs, Synthetic Nitrogen Prod Corp, Stavangerfjord, Berlin
ANISE—40 bgs, Saturnia, Trieste
ANTIMONY—17 cks, Stanley Fullwood, Franconia, Liverpool
ORE—2,214 bgs, Antofagasta, Mollendo
910 bgs, Antofagasta, Antofagasta
REGULUS—72 kgs, Jean Jadot, Antwerp
ARTIST'S MATERIAL—3 cs, Winsor & Newton, Britannic, London
2 cs, Favor, Ruhl & Co, American Merchant, London
12 cs, Gallagher & Ascher, Volendam, Rotterdam
ASBESTOS—7,324 bgs, Amtorg Trading Corp, Voroshilov, Leningrad
30 bgs, Excalibur, Genoa
ASPHALT—1 dm, Rohner, Gehrig Co, Europa, Bremen
339 bgs, A V Berner & Co, Oriente, Havana
1,143 cakes, Berlin, Bremen
340 bgs, A V Berner & Co, Seatrain Havana, Havana
648 bgs, A V Berner & Co, Orizaba, Havana
BABASSU KERNELS — 11,831 bgs, General Food Corp, West Point, Parnahyba
BALSAM—1 cs, Lansen-Naeve Corp, Deutschland, Hamburg
BARK, MEDICINAL—1 bl, Peek & Velsor, Saturnia, Trieste
12 bls, S B Penick & Co, Saturnia, Trieste
BARYTES—500 bgs, C J Osborn & Co, Laura C, Venice
2,200 bgs, Whittaker, Clark & Daniels, Laura C, Venice
BAUXITE RESIDUE — 160 cks, J Lee Smith & Co, Caledonia, Glasgow
BLANC FIXE—3 kgs, A Hurst & Co, Deutschland, Hamburg
BONE, CHARCOAL DUST — 500 bgs, Hollinghurst & Co, Oriente, Havana
MEAL — 1,120 bgs, Argenti & Co, Urbino, Karachi
BRISTLES—55 cs, F W Von Stade, Kiyosumi, Tientsin
80 cs, A Wagman & Co, Kiyosumi, Tientsin
26 cs, 3 cks, Continental Bank & Trust Co, American Merchant, London
5 cs, M Broverman & Son, American Merchant, London
17 cs, Guaranty Trust Co, American Merchant, London
17 cs, Chesnut, Cooper & Co, American Merchant, London
2 pkgs, American Merchant, London
5 bbls, Public National Bank, Volendam, Rotterdam
6 bbls, Volendam, Rotterdam
3 cs, Queen Mary, Southampton
BRONZE POWDER—16 cs, J J Coates, Deutschland, Hamburg
BUCHU LEAVES—5 bls, J L Hopkins & Co, American Merchant, London
5 bls, Allaire Woodward & Co, Queen Mary, Southampton
CADMIUM—83 cs, Metal Traders, Inc, Stavangerfjord, Bergen
METAL—40 cs, Westernland, Antwerp
CALCIUM CYANIDE—120 cs, American Cyanamid & Chemical Co, Westernland, Antwerp
NITRATE—1,059 bgs, Synthetic Nitrogen Prod Corp, Stavangerfjord, Berlin
TARTRATE—199 bgs, Charles Pfizer & Co, Volendam, Rotterdam
CANARY SEED—985 bgs, Bunge North American Grain Co, Minden, Rosario
576 bgs, A G Dunn, Minden, Buenos Aires
738 bgs, Minden, Buenos Aires
CARAWAY SEED—100 bgs, 11,000 lbs, Levy & Levis Co, Spaarndam, Rotterdam
200 bgs, 22,000 lbs, R L Friedler, Spaarndam, Rotterdam
50 bgs, 5,500 lbs, Durkee Famous Food, Black Heron, Rotterdam
150 bgs, 16,500 lbs, Levy & Levis Co, Black Heron, Rotterdam
100 bgs, 11,000 lbs, Biddle Purchasing Co, Volendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Volendam, Rotterdam
CARDAMOM—20 cs, Volkart Bros, Foylebank, Colombo
CASHEW SHELL LIQUID—160 dms, Urbino, Mangalore
45 bbls, Urbino, Calicut
CASSIA VERA—127 pkgs, Van Loan & Co, Foylebank, Padang
CASTOR BEANS—1,720 bgs, National City Bank, West Point, Fortaleza
1,720 bgs, Spencer Kellogg & Sons, West Point, Fortaleza
4,150 bgs, Wessel, Duval & Co, Normandiet, Bahia
CASTOR BEANS—850 bgs, Baker Castor Oil Co, Normandiet, Bahia
835 bgs, Normandiet, Bahia
CATALYST—54 bbls, Hydro Engineering & Chemical Co, Spaarndam, Rotterdam
CELERY SEED—20 bgs, P H Petry & Co, Excalibur, Marseilles
CELLOIDINE—2 cs, Sherka Chemical Co, Deutschland, Hamburg
CHALK, BLOCK—1,000 tons, Taintor Trading Co, Sarcoxie, Dunkirk
3,075 tons, Taintor Trading Co, Spind, London
COMMON—8 bgs, Schofield, Donald Co, Britannic, London
1,600 bgs, R L Watkins Co, American Merchant, London
PRECIPITATED—20 bgs, Davies Turner & Co, American Merchant, London
145 bgs, H J Baker & Bro, Franconia, Liverpool
CHAMOIS—1 cs, L Haig, President Harding, Southampton
CHEMICALS—12 pkgs, Ciba Pharm Prod Co, Ile France, Havre
4 cs, Hoffmann La Roche, Ile France, Havre
6 cs, G J Wallau, Ile France, Havre
7 cs, Ile de France, Havre
3 cks, General Dyestuff Corp, Europa, Bremen
30 dms, Hummel Chem Co, Europa, Bremen
10 dms, 5 cks, 1 cs, Europa, Bremen
464 cs, Deutschland, Hamburg
40 bottles, 490 bgs, Sherka Chem Co, Deutschland, Hamburg
4 cs, Schimmel & Co, Deutschland, Hamburg
47 bbls, 308 dms, 30 cks, Deutschland, Hamburg
30 cks, Jungmann & Co, Deutschland, Hamburg
10 dms, Hummel Chem Co, Deutschland, Hamburg
10 cs, Pfaltz & Bauer, Deutschland, Hamburg
2 cs, E Bischoff & Co, Deutschland, Hamburg
40 cks, Spaarndam, Rotterdam
13 cks, Robinson Wagner Co, Spaarndam, Rotterdam
22 cks, General Aniline Works, Spaarndam, Rotterdam
165 cks, 1 cs, Advance Solvents & Chem Co, Spaarndam, Rotterdam
1,400 dms, National Carloading Corp, Spaarndam, Rotterdam
24 bbls, Th Goldschmidt Corp, Spaarndam, Rotterdam
70 cks, Whittaker, Clark & Daniels, Spaarndam, Rotterdam
50 dms, Philip Bauer Co, Spaarndam, Rotterdam
4 dms, Chase National Bank, Spaarndam, Rotterdam
12 cks, General Dyestuff Corp, Spaarndam, Rotterdam
11 cs, 3 cks, Merck & Co, Spaarndam, Rotterdam
7 cs, Yardley & Co, Britannic, London
4 cs, 3 kgs, 5 crbys, 1 ck, Pfaltz & Bauer, Berlin, Bremen
102 cks, 51 bgs, E M Sergeant Pulp & Chem Co, Berlin, Bremen
40 cs, P C Kuyper & Co, Berlin, Bremen
2,000 bgs, 40 cks, African Metals Corp, Jean Jadot, Antwerp
100 bgs, F Rudloff, Black Heron, Rotterdam
38 dms, Innis, Speiden & Co, Black Heron, Rotterdam
31 dms, American Cyanamid & Chem Co, Volendam, Rotterdam
10 dms, Michel Export Co, Volendam, Rotterdam
1 ck, Advance Solvents & Chem Co, Volendam, Rotterdam
10 cks, 5 cs, Volendam, Rotterdam
500 bgs, Robinson Wagner Co, Volendam, Rotterdam
7 cks, 12 dms, General Dyestuff Corp, Volendam, Rotterdam
25 cks, Stanley Doggett, Volendam, Rotterdam
213 cks, Advance Solvents & Chem Co, Stavangerfjord, Heroen
250 bgs, Pilsudski, Gdynia
215 dms, 1 cs, Paris, Havre
2 cs, E Fougera & Co, Paris, Havre
CHINA CLAY—4 bgs, Yardley & Co, Britannic, London
CHROMITE—9 bgs, Bowring & Co, Otho, Freetown
CINCHONA BARK—34 bls, Andram Trading Co, Ancon, Cristobal
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150 dms, 2 cs, R W Greeff & Co, Volendam, Rotterdam
CLAY—310 bgs, Milton Greenebaum, Spaarndam, Rotterdam
9 cks, Berlin, Bremen
BURNT—450 bgs, Franconia, Liverpool
CLOVES—100 bls, Norwegian American Line, Stavangerfjord, Oslo
COALTAR, INTERMEDIATES—1 cs, Sandoz Chem Works, Europa, Bremen
12 dms, 1 cs, General Dyestuff Corp, Europa, Bremen
4 cs, General Dyestuff Corp, Deutschland, Hamburg
30 dms, 128 cks, General Aniline Works, Spaarndam, Rotterdam
11 dms, 43 cks, 2 jugs, General Dyestuff Corp, Spaarndam, Rotterdam
4 cks, General Aniline Works, Volendam, Rotterdam
83 dms, 13 cks, General Dyestuff Corp, Volendam, Rotterdam
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31 bgs, Struller & Wood, Martinique, Jeremie
159 bgs, W & A Leaman, Martinique, Cape Haitien
100 bgs, Transmarine Merc Corp, Martinique, Cape Haitien
81 bgs, Mecke & Co, Medea, Maracaibo
2,592 bgs, Curacao Trading Co, Medea, Curacao
1,000 bgs, Medea, Puerto Cabello
177 bgs, Wessel, Duval & Co, Medea, Puerto Cabello
150 bgs, Nieschlag & Co, Peten, Cristobal
750 bgs, Wessel, Duval & Co, Peten, Cristobal
750 bgs, Ancon, Cristobal
60 bgs, Mecke & Co, Caracas, Curacao
58 bgs, Meyer & Co, Caracas, Puerto Cabello
2,300 bgs, Machado & Co, Caracas, La Guaira
712 bgs, Caracas, La Guaira
135 bgs, Gillespie & Co, Borinquen, Trujillo
300 bgs, Machado & Co, San Jacinto, Puerto Plata
COCOA BEANS—300 bgs, Carr Bros, San Jacinto, Puerto Plata
750 bgs, Curacao Trading Co, San Jacinto, Puerto Plata
300 bgs, Porcella, Vicini & Co, San Jacinto, Puerto Plata
225 bgs, Royal Bank of Canada, San Jacinto, Puerto Plata
1,730 bgs, Curacao Trading Co, San Jacinto, Puerto Plata
686 bgs, Santa Inez, Guayaquil
1,700 bgs, Wessel, Kulenkampf & Co, Almena, Trujillo
457 bgs, A S Marques, Almena, Trujillo
300 bgs, Almena, San Pedros de Macoris
4,200 bgs, Machado & Co, Almena, Sanchez
1,500 bgs, Wessel, Kulenkampf & Co, Almena, Sanchez
2,500 bgs, Curacao Trading Co, Almena, Sanchez
412 bgs, Gillespie & Co, Almena, Sanchez
419 bgs, Almena, Sanchez
940 bgs, Porcella, Vicini & Co, Almena, Puerto Plata
500 bgs, Curacao Trading Co, Almena, Puerto Plata
750 bgs, Gillespie & Co, Almena, Puerto Plata
559 bgs, Ulua, Cristobal
1,608 bgs, United Africa Co, Otho, Koko
1,464 bgs, Balfour, Guthrie & Co, Otho, Lagos
3,200 bgs, Balfour, Guthrie & Co, Otho, Addah
3,200 bgs, United Africa Co, Otho, Winnebah
3,200 bgs, Bankers Trust Co, Otho, Accra
COCOABUTTER—5 cs, R W Greeff & Co, Volendam, Rotterdam
COCONUTS—200 bgs, 20,000 lbs, Fruit & S S Co, Atlantida, La Ceiba
22,150 bgs, 221,500 lbs, General Foods Corp, Colombia, Kingston
330 bgs, 33,000 lbs, General Foods Corp, Ancon, Cristobal
300 bgs, 30,000 lbs, I L Toledano Corp, Ancon, Cristobal
79 bgs, 7,900 lbs, Simons & French, Borinquen, San Juan
123 bgs, 12,300 lbs, Porto Rico Fruit Exchange, Borinquen, San Juan
12 bgs, 1,200 lbs, E Arroyo, Borinquen, San Juan
100 bgs, 10,000 lbs, Universal Import & Export Co, Ulua, Kingston
1,000 bgs, 100,000 lbs, General Food Corp, Musa, Puerto Castilla
COD OIL, STEARIN—100 cks, Stavengerfjord, Kristiansund
CODLIVER OIL, STEARIN—28 cks, Stavengerfjord, Bergen
COLOMBO ROOT—20 bgs, Urbino, Colombo
COLORS—1 cs, M Grumbacher, Spaarndam, Rotterdam
5 cs, F B Vandegrift & Co, Paris, Havre
ARTISTS—3 cs, M Grumbacher, Spaarndam, Rotterdam
COALTAR—12 kgs, General Dyestuff Corp, Spaarndam, Rotterdam
DRY—8 cks, C J Osborn & Co, Volendam, Rotterdam
EARTH—20 cks, Smith Chem & Color Co, Spaarndam, Rotterdam
46 cks, Calco Chem Co, Berlin, Bremen
25 cks, Smith Chem & Color Co, Volendam, Rotterdam
MINERAL—135 bgs, 4 cks, Robinson-Wagner Co, Berengaria, Southampton
PIGMENT—21 jugs, 1 cs, General Dyestuff Corp, Volendam, Rotterdam
COPAIBA BALSAM—30 cs, F B Rose & Co, Normandie, Manaos
30 cs, Normandiet, Manaos
15 cs, Introcean Export Co, Normandiet, Para
COPALIT CEMENT—5 pkgs, H J Homan, Deutschland, Hamburg
CONCENTRATES—5 dms, H J Homan, Deutschland, Hamburg
CORIANDER SEED—21 bgs, Deutschland, Hamburg
11 bgs, Front Bros, Pilsudski, Gdynia
CORK—20 bls, Cork Import Co, Queen Mary, Southampton
7 bls, G Doherty, Paris, Havre
19 bls, A Sohnler, Paris, Havre
40 bls, Paris, Havre
185 bls, Laura C, Palermo
WOOD—150 bls, Central Hanover Bank & Trust Co, Deutschland, Hamburg
COTTON LINTERS—158 bls, West Point, Fortaleza
CUMIN SEED—20 bgs, P H Petry & Co, Excalibur, Marseilles
CUTTLEFISH BONES — 55 cs, Peek & Velsor, Saturnia, Lisbon
70 cs, American Cuttlefiesh Bones Co, Saturnia, Trieste
37 cs, Saturnia, Trieste
4 cs, Peek & Velsor, Saturnia, Trieste
54 cs, Frank Vliet Co, Collamer, Bordeaux
DEXTRIN, POTATO—250 bgs, Stein, Hall & Co, Spaarndam, Rotterdam
DRUGS—1 cs, Ungerer & Co, American Merchant, London
DYES, ALIZARIN—10 cans, 8 cks, General Dyestuff Corp, Europa, Bremen
64 cks, 8 dms, 2 cs, General Dyestuff Corp, Spaarndam, Rotterdam
53 cks, 31 jugs, 11 dms, General Dyestuff Corp, Volendam, Rotterdam
ANILIN — 95 pkgs, Geigy Co, Paris, Havre
15 cks, Ciba Co, Paris, Havre
23 pkgs, Fulton Dye & Import Co, Ile de France, Havre
3 dms, 42 cns, 20 kgs, 1 cs, Carbic Color & Chem Co, Europa, Bremen
46 dms, Sandoz Chem Works, Europa, Bremen
13 dms, 1 cs, 75 cks, General Dyestuff Corp, Europa, Bremen
2 dms, L & R Organic Prod Co, Spaarndam, Rotterdam
1 cs, 351 cks, 16 dms, General Dyestuff Corp, Spaarndam, Rotterdam
17 cks, L & R Organic Prod Co, Black Osprey, Rotterdam
43 dms, Calco Chem Co, Tampa, Bombay
3 cks, Major Forwarding Co, Volendam, Rotterdam
317 cks, 6 jugs, 26 dms, General Dyestuff Corp, Volendam, Rotterdam
24 kgs, L & R Organic Prod Co, Franconia, Liverpool
20 cks, Ciba Co, Franconia, Liverpool
2 dms, E I duPont de Nemours & Co, Cold Harbor, Liverpool
DYESTUFF—92 dms, Nova Chem Corp, Kiyosumi, Kobe
DYEWOOD, CUTTED—3 bgs, Peek & Velsor, Saturnia, Trieste
21 bgs, Saturnia, Trieste
EGG YOLK, HEN—112 cs, J Lowe Corp, Kiyosumi, Tientsin
168 cs, Henningsen Bros, Kiyosumi, Tientsin
EGG YOLK, HEN—56 cs, Kiyosumi, Tientsin
112 cs, A G Glasson, Kiyosumi, Tientsin
56 cs, Kiyosumi, Tientsin
EPHEDRA—130 bls, Wah Chang Trading Corp, Kiyosumi, Tientsin
ERGOT—17 dms, Saturnia, Lisbon
FILTER COMPOUND — 75 bls, Mager Bros, Deutschland, Hamburg
MASSE—55 bls, J Manheimer, Rotterdam
PAPER—12 cs, Deutschland, Hamburg
8 cs, J E Bernard & Co, Svaneholm, Gothenburg
1 cs, Schenker & Co, Britannic, London
13 cs, H Reeve Angel & Co, American Merchant, London
1 cs, J J Murphy & Co, American Merchant, London
1 cs, Universal Carloading & Distr Co, American Merchant, London
FLEASEED—40 bgs, Excalibur, Marseilles
50 bgs, R J Prentiss & Co, Excalibur, Marseilles
FLORAL WATER—5 cks, J Manheimer, Excalibur, Marseilles
10 pkgs, Tombarel Prod Co, Excalibur, Marseilles
FULLER'S EARTH—700 bgs, L A Salomon & Bro, Britannic, London
FUR WASTE—48 bls, Jeff Davis, Sydney
GAMBIER—140 cs, Chase National Bank, Penrith Castle, Singapore
207 bgs, Hammond & Carpenter, Penrith Castle, Singapore
205 bgs, Foylebank, Singapore
GELATIN—2 cs, American Express Co, Europa, Bremen
40 bgs, Deutschland, Hamburg
34 cs, L A Consmiller & Co, Spaarndam, Rotterdam
60 bgs, R D McLellan, Black Osprey, Rotterdam
275 bgs, 25 cs, International Selling Corp, Westernland, Antwerp
16 bbls, R D McLellan, Volendam, Rotterdam
5 cs, L A Consmiller, Volendam, Rotterdam
GINGER ROOT—100 bgs, Volkart Bros, Urbino, Alleppey
100 bgs, Superintendence Co, Otho, Freetown
GLASS, PLATE—5 cs, Globe Shipping Co, Deutschland, Hamburg
1 cs, Wisconsin Mirror Plate Co, President Harding, Hamburg
12 cs, Brown Bros-Harriman Co, Jean Jadot, Antwerp
WINDOW — 2,732 cs, Vitrea Co, President Harding, Hamburg
38 cs, Eastman Kodak Co, Jean Jadot, Antwerp
GLUE—800 bgs, Saturnia, Trieste
100 bgs, National Adhesive Corp, Deutschland, Hamburg
100 bgs, Deutschland, Hamburg
68 bls, Manufacturers Trust Co, Deutschland, Hamburg
157 bgs, Dingelstedt & Co, Berlin, Bremen
100 bgs, Paris, Havre
1 cs, 121 bgs, Rex & Reynolds, Excalibur, Marseilles
GLYCERIN—96 dms, Deutschland, Hamburg
79 dms, Spaarndam, Rotterdam
100 dms, Black Heron, Rotterdam
20 dms, Geo Uhe Co, Volendam, Rotterdam
GRAPHITE—333 bgs, Urbino, Colombo
331 bgs, Bank of Manhattan, Tampa, Colombo
250 bgs, C E Pettinos, Tampa, Colombo
626 bgs, Norwegian American Line, Stavangerfjord, Oslo
GREASE, WOOL—25 dms, Robinson-Wagner Co, Franconia, Liverpool
GUM—7 pkgs, Saturnia, Trieste
ARABIC—150 bgs, Otho, Freetown
25 bgs, Excalibur, Marseilles
BENZOIN—8 cs, Excalibur, Marseilles
CHICLE—464 bls, Chicle Development Co, Platano, Puerto Barrios
328 bls, Chicle Development Co, Musa, Puerto Barrios
COPAL—530 bgs, O G Innes Corp, Jean Jadot, Antwerp
900 bgs, Stroock & Wittenburg, Jean Jadot, Antwerp
320 bgs, France, Campbell & Darling, Jean Jadot, Antwerp
100 bgs, Thurston & Braidich, Jean Jadot, Antwerp
40 bgs, S Winterbourne & Co, Jean Jadot, Antwerp
DAMMAR—20 cs, Deutschland, Hamburg
1 cs, F B Ross & Co, Spaarndam, Rotterdam
160 bgs, Manufacturers Trust Co, Penrith Castle, Singapore
500 bgs, Thurston & Braidich, Foylebank, Batavia
LIGNUM VITAE—15 cs, Struller & Wood, Martinique, Gonaives
MYRRH—6 cs, J L Hopkins & Co, Tampa, Aden
TRAGACANTH—4 bgs, A D Isbetcherian, Saturnia, Trieste
YACCA—450 bgs, Wichita, Adelaide
226 bgs, S Winterbourne & Co, Jeff Davis, Adelaide
300 bgs, Jeff Davis, Adelaide
GYPSUM—5,325 tons, U S Gypsum Co, Gypsum Empress, Windsor
2,250 tons, National Gypsum Co, Keret, Cheticamp
HERBS, MEDICINAL—13 bls, Peek & Velsor, Saturnia, Trieste
5 bgs, 1 cs, Elmer & Amend, President Harding, Hamburg
16 bls, Westernland, Antwerp
9 cs, Roma, Genoa
9 bgs, Globe Shipping Co, Pilsudski, Gdynia
19 bls, Laura C, Fiume
15 bls, Excalibur, Marseilles
34 bgs, E E Marks & Co, Excalibur, Marseilles
HOPS—25 bls, Deutschland, Hamburg
12 bls, American Express Co, Deutschland, Hamburg
HOREHOUND—52 bls, S B Penick & Co, Laura C, Algiers
ILMENITE ORE—2 bgs, J L Turner, Black Osprey, Rotterdam
SAND—2,250 tons, National Lead Co, Tampa, Colachel
INDIGO—3 cks, General Dyestuff Corp, Spaarndam, Rotterdam
8 cks, General Dyestuff Corp, Volendam, Rotterdam
INERTOL—4 cks, Corn Product Refining Co, Deutschland, Hamburg
IODINE—718 kegs, Ant Gibbs & Son, Antofagasta, Valparaiso
IRISH MOSS—50 bls, C H Reisig, Ile de France, Havre
10 bls, Peek & Velsor, Ile de France, Havre
100 bls, S B Penick & Co, Ile de France, Havre
IRON ORE—3,001 tons, Bethlehem Steel Co, Jeff Davis, Whyalla
OXIDE—40 cks, Reichard-Coulston, Spaarndam, Rotterdam
50 cks, Robinson, Wagner Co, Spaarndam, Rotterdam

IRON OXIDE—45 cks, C J Osborn & Co, President Harding, Southampton
30 cks, Robinson, Wagner Co, Volendam, Rotterdam
50 cks, Smith Chemical & Color Co, Volendam, Rotterdam
14 cks, 17 kegs, J H Rhodes & Co, Franconia, Liverpool
60 cks, J A McNulty, Franconia, Liverpool
50 cks, 200 bgs, Excalibur, Marseilles
JUNIPER BERRIES—84 bgs, S B Penick & Co, Excalibur, Leghorn
50 bgs, Knickerbocker Mills Co, Excalibur, Leghorn
LAUREL LEAVES—100 bls, Saturnia, Trieste
LAVENDER FLOWERS—2 bls, E E Marks & Co, Excalibur, Marseilles
5 bls, R J Prentiss & Co, Excalibur, Marseilles
9 bls, J L Hopkins & Co, Excalibur, Marseilles
LICORICE ROOT—30 bgs, Saturnia, Trieste
LITHOPONE—600 cks, Benj Moore & Co, Spaarndam, Rotterdam
MACE—37 cs, Van Loan & Co, Volendam, Rotterdam
16 cs, Penrith Castle, Singapore
8 cs, Van Loan & Co, Foylebank, Singapore
50 cs, Foylebank, Singapore
MAGNESIA CALCINED—10 cks, Schofield Donald Co, Franconia, Liverpool
CARBONATE—100 bgs, 50 cks, Schofield Donald Co, Franconia, Liverpool
CITRATE—100 cs, Excalibur, Leghorn
MAGNESITE CALCINED—40 dms, Speiden, Whitfield & Co, Volendam, Rotterdam
MANNA—10 cs, Laura C, Palermo
MATCHES, SAFETY—10,400 cont, N Y Match Co, Svaneholm, Gothenburg
MEDICINAL PREPS—5 cs, Burrough, Wellcome & Co, Britannic, London
9 cs, American Drug Co, Westernland, Antwerp
50 cs, Volendam, Rotterdam
MICA—51 cs, Ile de France, Havre
9 cs, Berengaria, Southampton
26 cs, American Merchant, London
BLOCK—37 cs, Tampa, Calcutta
8 cs, Norwegian American Line, Stavangerfjord, Oslo
DISC—2 cs, Tampa, Calcutta
FILM—9 cs, Tampa, Calcutta
SPLITTINGS — 50 cs, American Merchant, London
28 cs, Corn Exchange Bank, American Merchant, London
31 cs, General Electric Co, Tampa, Calcutta
25 cs, Soeldner-Seyman Co, Tampa, Calcutta
116 cs, Tampa, Calcutta
187 cs, Norwegian American Line, Stavangerfjord, Oslo
WASTE — 3,177 bgs, Soeldner-Seyman Co, Tampa, Calcutta
MILK POWD—300 bgs, Spaarndam, Rotterdam
MINERALS—735 bgs, Watson Geach & Co, Minden, Buenos Aires
MURU MURU KERNELS—1,000 bgs, General Food Corp, West Point, Para
MUSTARD SEED—150 bgs, B H Old & Co, Berlin, Bremen
448 bgs, Old Dutch Mustard Co, Kiyosumi, Tientsin
50 bgs, Durkee Famous Foods, Black Heron, Rotterdam
MYROBALANS — 2,200 bgs, National City Bank, Tampa, Bombay
EXTRACT—400 bgs, International Product Corp, Franconia, Liverpool
NAPHTHALENE — 402 bgs, W H Mueller, Black Osprey, Rotterdam
667 bgs, F B Bertrand, Black Heron, Rotterdam
437 bgs, W H Mueller, Black Heron, Rotterdam
75 bgs, F B Bertrand, Cold Harbor, Manchester
3,960 bgs, Amtorg Trading Corp, Voroshilov, Leningrad
NUTMEGS—4 cs, 187 bgs, Volendam, Rotterdam
NUX VOMICA—600 pckts, Brown Bros, Harrimann Co, Urbino, Cochim
OCHER—1,721 bgs, 23 cks, Reichard Coulston, Excalibur, Marseilles
10 cks, Hammill & Gillespie, Excalibur, Marseilles
70 cks, J A McNulty, Excalibur, Marseilles
1,000 bgs, J H Furman, Excalibur, Marseilles
2,005 bgs, J Lee Smith & Co, Excalibur, Marseilles
800 bgs, C K Williams & Co, Excalibur, Marseilles
OIL, ALMOND—13 cs, Ungerer & Co, American Merchant, London
1 cs, Tombarel Prod Co, Excalibur, Marseilles
BERGAMOT—20 cs, Banca Comi Italian Trust Co, Laura C, Messina
35 cs, Lo Curto & Funk, Laura C, Messina
40 cs, Magnus, Mabee & Reynard, Laura C, Messina
CAMPHOR—50 dms, Dodge & Olcott Co, Kiyosumi, Kobe
CINNAMON LEAF—5 dms, Urbino, Colombo
CITRONELLA—2 dms, Dodge & Olcott Co, Penrith Castle, Batavia
9 dms, Penrith Castle, Batavia
11 dms, H A Sothern, Musa, Puerto Barrios
COD—400 dms, Deutschland, Hamburg
800 dms, E M Javitz Co, Stavangerfjord, Aalesund
CODLIVER—1,275 dms, C T Smith & Co, President Harding, Kotka
100 dms, J D Irwin & Co, President Harding, Kotka
427 dms, American Shipping Co, President Harding, Kotka
20 dms, Jacone Prod Co, President Harding, Kotka
400 cks, I M M Co, President Harding, Kotka
500 dms, Berlin, Bremen
58 dms, S Emy, Kuyosumi, Yokohama
300 bbls, 279 dms, Stavangerfjord, Kristiansund
100 dms, C L Huisking & Co, Stavangerfjord, Aalesund
25 dms, P R Dreyer, Stavangerfjord, Aalesund
25 dms, Davis & Lawrence, Stavangerfjord, Bergen
100 bbls, Stavangerfjord, Bergen
183 dms, Stavangerfjord, Reykjavik
CORN—250 dms, Corn Product Refg Co, President Harding, Hamburg
150 dms, Black Heron, Rotterdam
100 dms, Volendam, Rotterdam

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OIL, CORN—360 dms, Corn Products Refg Co, Caledonia, Glasgow
COTTONSEED—530 dms, West Point, Pernambuco
1,071 dms, West Point, Cabedello
200 dms, Public Natl Bank, Normandiet, Pernambuco
CROTON—3 cs, Fritzsche Bros, Deutschland, Hamburg
CRUDE—16 dms, Foster Wheeler Corp, Excalibur, Haifa
ESSENTIAL—15 cs, Ile de France, Havre
1 cs, Europa, Bremen
11 s, Spaarndam, Rotterdam
4 cs, President Harding, Havre
5 cs, Yardley & Co, Britannic, London
4 cs, American Merchant, London
4 dms, 4 cs, Volendam, Rotterdam
1 cs, Queen Mary, Southampton
1 cs, Orizaba, Vera Cruz
40 pkgs, Paris, Havre
16 pkgs, Excalibur, Marseilles
EUCALYPTUS—30 cs, Geo Lueders & Co, Wichita, Melbourne
50 cs, 10 dms, Dodge & Olcott Co, Wichita, Melbourne
45 cs, 12 dms, Magnus, Mabee & Reynard, Wichita, Melbourne
6 dms, W J Bush & Co, Wichita, Melbourne
28 dms, Dodge & Olcott Co, Wichita, Sydney
30 dms, Orbis Product Corp, Jeff Davis, Sydney
FUEL—111,000 bbls, Standard Oil Co of N J, J A Mowinckle, Aruba
107,000 bbls, Standard Oil Co of N J, Wilhelm A Riedemann, Aruba
77,000 bbls, Standard Oil Co of N J, T J Williams, Aruba
66,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
95,655 bbls, Standard Oil Co of N J, Regulus, Aruba
72,234 bbls, Standard Oil Co of N J, Davanger, Aruba
LEMONGRASS—12 dms, Volkart Bros, Urbino, Cochin
7 dms, Lo Curto & Funk, Urbino, Cochin
5 dms, H A Sothern, Musa, Puerto Barrios
LUBRICATING—2 dms, Texas Development Co, Spaarndam, Rotterdam
14 dms, Shell Union Oil Corp, Britannic, London
100 dms, Jean Jadot, Antwerp
MINERAL—201 dms, Heemsoth-Kerner Corp, Deutschland, Hamburg
150 dms, S Schwabacher & Co, Deutschland, Hamburg
OITICICA—20 dms, Geo Lueders & Co, West Point, Fortaleza
200 dms, West Point, Fortaleza
OLIVE—19 cs, Roma, Naples
35 cs, Queen Mary, Southampton
101 cs, Excalibur, Haifa
300 dms, Leghorn Trading Co, Excalibur, Piraeus
30 dms, Uddo Taormina, Excalibur, Piraeus
50 dms, Moosalina Prod Co, Excalibur, Piraeus
50 dms, Smith-Wehman Co, Excalibur, Piraeus
597 cs, Excalibur, Leghorn
1,100 cs, 25 dms, Excalibur, Genoa
100 dms, Atlantic & Pacific Tea Co, Excalibur, Genoa
10 dms, Union Olive Oil Co, Excalibur, Genoa
25 dms, P Pastene & Co, Excalibur, Genoa
66 cs, Excalibur, Marseilles
ORANGE—7 cs, 23 cks, Deutschland, Hamburg
PALM — Quantity, Banque Belge pour l'Etranger, Penrith Castle, Belawan Deli
290,000 kilos, Foylebank, Belawan Deli
1,275 tons, Balfour, Guthrie & Co, Otho, Matadi
PALMKERNEL—50 dms, Volendam, Rotterdam
PEANUT—50 dms, 313 bbls, Spaarndam, Rotterdam
114 dms, Holland American Line, Spaarndam, Rotterdam
5 dms, Lamont, Corliss & Co, Black Heron, Rotterdam
62 dms, Holland American Line, Volendam, Rotterdam
100 dms, Volendam, Rotterdam
648 tons, Mitsubishi Shoji Kaisha, Foylebank, Tsingtao
PERILLA—300 tons, S L Jones & Co, Kiyosumi, Moji
1 dm, S Suzuki & Co, Kiyosumi, Yokohama
PETROLEUM—80 dms, National City Bank, Cold Harbor, Liverpool
PINE—2 dms, Jeff Davis, Sydney
RESIDUE—77 dms, Central Hanover Bank Trust Co, Franconia, Liverpool
75 dms, S Schwabacher & Co, Deutschland, Hamburg
155 dms, Westernland, Antwerp
ROSEWOOD—18 dms, Normandiet, Manaos
6 dms, Givaudan, Delawanna, Normandiet, Para
4 dms, Ameringen Haebler, Normandiet, Para
SOYBEAN—264,069 kilos, Spaarndam, Rotterdam
SUNFLOWER SEED—10 dms, Black Osprey, Rotterdam
VEGETABLE—50 dms, I R Boody & Co, Spaarndam, Rotterdam
100 dms, W R Grace & Co, Kiyosumi, Kobe
VITAMIN—7 cs, Stavangerfjord, Oslo
PAINT—1 cs, J W Warnecke Corp, Spaarndam, Rotterdam
PAPAIN—20 cs, S B Penick & Co, Berengaria, Southampton
13 cs, Central Hanover Bank Trust Co, Berengaria, Southampton
PAPRIKA—75 bgs, Saturnia, Trieste
300 bgs, Gallagher & Ascher, Deutschland, Hamburg
60 bgs, 15 cs, H Schonfeld & Son, Deutschland, Hamburg
PATCHOULI LEAVES—74 bls, Volkart Bros, Penrith Castle, Penang
39 bls, G Uhe Co, Foylebank, Tapa Toean
PEATMOSS—1,310 bls, Premier Peatmoss Corp, Spaarndam, Rotterdam
1,500 bls, 1,200 half bls, Berlin, Bremen
2,400 bls, Half Moon Mfg & Trading Co, Black Heron, Rotterdam
990 bls, Premier Peatmoss Corp, Volendam, Rotterdam
10 bls, Premier Peatmoss Corp, Voroshilov, Leningrad
PEPPER, BLACK—240 bgs, Volkart Bros, Urbino, Calicut
1,620 bgs, Foylebank, Oosthaven
76 bgs, Foylebank, Penang
PETROLEUM, CRUDE—110,425 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
111,079 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
SULPHONATED — 17 bbls, Deutschland, Hamburg
PITCH—52 dms, Jeff Davis, Melbourne
PLASTICIZER—5 drs, E I du Pont de Nemours & Co, President Harding, Hamburg
POPPYSEED—250 bgs, 27,500 lbs, C M Van Sillevoldt, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Volendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Volendam, Rotterdam
POTASH, CHLORATE—1,100 cks, Uniform Chem Prod Co, Deutschland, Hamburg
2 cs, Amtorg Trading Corp, Voroshilov, Leningrad
MURIATE—200 bgs, N V Potash Export My, Jean Jadot, Antwerp
POTASH, MURIATE—200 bgs, N W Potash Export My, Westernland, Antwerp
PERCHLORATE—120 cs, Robinson-Wagner Co, Svaneholm, Gothenburg
PRUSSIATE—50 bbls, American Cyanamid & Chem Co, Deutschland, Hamburg
23 bbls, Kuch Corp, Spaarndam, Rotterdam
14 cks, Black Osprey, Rotterdam
SULPHATE—40 bgs, N V Potash Export My, Deutschland, Hamburg
SULPHOCYANIDE — 23 kegs, Franconia, Liverpool
PYRETHRUM FLOWERS—125 bls, J Powell & Co, Kiyosumi, Kobe
PYRITES—8,424,260 kilos, Pyrites Co, Norbiyan, Huelva
QUICKSILVER—500 flasks, Saturnia, Trieste
250 flasks, Roura & Forgas, American Merchant, London
75 flasks, Chase Nat Bk, Orizaba, Vera Cruz
QUINCE SEED—16 bgs, J L Hopkins & Co, Excalibur, Haifa
RASCHIT—1 ck General Aniline Works, Volendam, Rotterdam
RESIN, VEGETABLE—17 cs, Normandiet, Manaos
RICE FLOUR—250 bgs, Stein-Hall & Co, Spaarndam, Rotterdam
ROOT, MEDICINAL—25 bls, Saturnia, Trieste
4 bls, Peek & Velsor, Saturnia, Trieste
3 bls, S B Penick & Co, Saturnia, Trieste
9 bls, Saturnia, Trieste
ROCK SALT—101,600 kilos, Standard Salt Corp, President Harding, Hamburg
SAFFRON FLOWERS — 4 cs, Roma, Genoa
2 cs, Paris, Havre
SAGO FLOUR—800 bgs, Penrith Castle, Singapore
SANTONIN — 2 cs, Amtorg Trading Corp, Voroshilov, Leningrad
SARDINE MEAL — 1,120 bgs, H J Baker & Bro, Kiyosumi, Yokohama
500 bgs, Balfour, Guthrie & Co, Kiyosumi, Yokohama
1,120 bgs, Consumers Import Co, Kiyosumi, Yokohama
SARSAPARILLA ROOT — 15 bls, Eggers & Heinlein, Musa, Porto Cortes
SEED, MEDICINAL — 10 bgs, Peek & Velsor, Saturnia, Trieste
7 bgs, Saturnia, Trieste
SHELLAC — 60 bgs, A Hurst & Co, Deutschland, Hamburg
75 bgs, 40 cs, A Hurst & Co, Spaarndam, Rotterdam
250 bgs, Philadelphia National Bank, Tampa, Calcutta
SEEDLAC — 150 bgs, Carleton & Moffatt, Tampa, Calcutta
250 bgs, Bank of London South America, Tampa, Calcutta
200 bgs, Mantrose Corp, Tampa, Calcutta
200 bgs, Guaranty Trust Co, Tampa, Calcutta
550 bgs, Chase National Bank, Tampa, Calcutta
300 bgs, Tampa, Calcutta
SIENNA—500 bgs, J Lee Smith & Co, Excalibur, Leghorn
200 bgs, 50 cks, Reichard, Coulston, Excalibur, Leghorn
SILICON CARBIDE—500 bgs, D C Andrews & Co, Stavangerfjord, Kydehavn
SOAP—13 cs, Brauner & Co, Deutschland, Hamburg
87 cs, Concentrate Mfg Corp, Paris, Havre
340 cs, Conti Prod Corp, Excalibur, Leghorn
6 cs, Globe Shipping Co, Excalibur, Marseilles
BASE—56 cs, Yardley & Co, Britannic, London
MILLINGS—5 cs, Yardley & Co, Britannic, London
SADDLE—2 cs, American Express Co, Britannic, London
STEARIN CHIP—13 cs, Yardley & Co, Britannic, London
SODA ASIDE—113 bbls, E I Du Pont de Nemours & Co, Deutschland, Hamburg
CAUSTIC—1 cs, Burroughs, Wellcome & Co, Britannic, London
CYANIDE—770 dms, C Hardy, Ile France, Havre
HYDROSULPHITE—70 dms, Deutschland, Hamburg
NITRATE—90,528 kilos, Chilean Nitrate Sales Corp, Antofagasta, Antofagasta
6,880 bgs, Chilean Nitrate Sales Corp, Antofagasta, Antofagasta
24,514 bgs, Chilean Nitrate Sales Corp, Antofagasta, Tocopilla
SOLVENTS—1 cs, R F Vaughan, Jeff Davis, Melbourne
SPONGES—15 bls, Schroeder & Tremayne, Oriente, Havana
13 bls, American Sponge & Chamois Co, Munargo, Havana
11 bls, J H Rhodes & Co, Munargo, Havana
9 bls, Munargo, Havana
8 bls, Chase National Bank, Paris, Havre
3 bls, Excalibur, Piraeus
REFUSE—31 bls, Munargo, Havana
55 bls, Johns-Manville Corp, Munargo, Havana
STARCH, POTATO—200 bgs, Karr, Ellis Co, Spaarndam, Rotterdam
600 bgs, Continental Grain Co, Black Osprey, Rotterdam
RICE—50 bbls, Habicht, Braun & Co, Berlin, Bremen
50 bbls, Jean Jadot, Antwerp
TREATED—20 bgs, Volendam, Rotterdam
STEATITE—5 bbls, M Kirchberger & Co, Excalibur, Leghorn
STORAX—25 cs, Saturnia, Trieste
SUMAC—350 bgs, Tannin Corp, Laura C, Palermo
350 bgs, Laura C, Palermo
TALC—800 bgs, C B Chrystal & Co, Collamer, Bordeaux
400 bgs, L A Salomon & Bro, Collamer, Bordeaux
150 bgs, Hammill & Gillespie, Collames Bordeaux
300 bgs, Whittaker, Clark & Daniels, Collamer, Bordeaux
TALLOW—200 dms, Anglo California National Bank, Wichita, Melbourne
237 dms, Anglo California National Bank, Jeff Davis, Melbourne
137 dms, Jeff Davis, Melbourne
212 pipes, Jeff Davis, Sydney
52 cs, Jeff Davis, Sydney
TANKAGE—924 bgs, Wichita, Melbourne
367 bgs, Anglo California Nat Bk, Jeff Davis, Sydney
1,669 bgs, Bank of Manhattan, Minden, Buenos Aires
978 bgs, Wilson & Co, Minden, Buenos Aires
3,048 bgs, Chase Nat Bk, Minden, Buenos Aires
6,051 bgs, 662 cakes, Minden, Buenos Aires
TAPIOCA FLOUR— 276 bgs, Java American Export Co, Penrith Castle, Pasoeroen
827 bgs, Chase Nat Bk, Penrith Castle, Pasoeroen
1,103 bgs, Penrith Castle, Pasoeroen
195 bgs, Stein-Hall & Co, Penrith Castle, Sourabaya
1,500 bgs, Stein-Hall & Co, Penrith Castle, Cheribon
525 bgs, Chase Nat Bk, Penrith Castle, Cheribon
500 bgs, J Lowe Corp, Penrith Castle, Batavia
1,502 bgs, Stein-Hall & Co, Penrith Castle, Batavia
250 bgs, Chase Nat Bk, Penrith Castle, Batavia
500 bgs, National Adhesive Corp, Foylebank, Sourabaya
TAPIOCA, FLOUR—500 bgs, Stein-Hall & Co, Foylebank, Sourabaya
2,151 bgs, Rutger, Bleecker & Co, Foylebank, Sourabaya
250 bgs, H P Winter & Co, Foylebank, Sourabaya
2,240 bgs, Comm'l Nat Bk Trust Co, Foylebank, Cheribon
165 bgs, Chase Nat Bk, Foylebank, Cheribon
1,970 bgs, Balfour, Guthrie & Co, Foylebank, Pamanoekan
550 bgs, Foylebank, Batavia
110 bgs, Chase Nat Bk, Foylebank, Batavia
1,500 bgs, H P Winter & Co, Foylebank, Batavia
3,210 bgs, Stein-Hall & Co, Foylebank, Batavia
250 bgs, H P Winter & Co, Foylebank, Sourabaya
250 bgs, Chase Nat Bk, Foylebank, Cheribon
TIMBO POWD—157 cs, West Point, Para
100 cs, W R Grace & Co, West Point, Para
200 cs, Normandiet, Para
100 cs, Hammond Paint & Chem Co, Normandiet, Para
TRICHLORETHYLENE—92 cks, International Selling Corp, Excalibur, Marseilles
TRIPOLI EARTH—50 bgs, C B Chrystal & Co, Westernland, Antwerp
10 bgs, Elmer & Amend, Fort Amherst, Halifax
TUCUM KERNELS—760 bgs, National City Bk, West Point, Parnahyba
TURMERIC, FINGERS — 240 bgs, National City Bank, Urbino, Cochin
80 bgs, Volkart Bros, Urbino, Alleppey
960 bgs, Urbino, Alleppey
UMBER, BURNT—18 cks, Stanley Doggett, Excalibur, Alexandria
VALONIA EXTRACT—508 bgs, Tannin Corp, Excalibur, Piraeus
VANILLA BEANS—20 cs, Ile de France, Havre
70 cs, Norwegian American Line, Stavangerfjord, Oslo
6 cs, F Huber & Co, Orizaba, Vera Cruz
17 cs, Thurston & Braidich, Orizaba, Vera Cruz
12 cs, Zink & Triest, Excalibur, Marseilles
20 cs, Thurston & Braidich, Excalibur, Marseilles
CUTS—15 cs, Dodge & Olcott Co, Orizaba, Vera Cruz
VARNISH—1 cs, M Grumbacher, Spaarndam, Rotterdam
2 cs, Richards Shipping Co, Paris, Havre
WATER MINERAL—80 cs, American Agency of French Vichy, President Harding, Havre
150 cs, H S Head, President Harding, Havre
243 cs, C V D Bruck, Black Heron, Rotterdam
100 crts, J Personeni, Roma, Genoa
WAX, BEES—8 bgs, Schutte & Focke, Martinique, Jeremie
8 bgs, Schutte & Focke, Martinique, Aux Cayes
2 bgs, Curacao Trading Co, Martinique, Port de Paix
9 bgs, J N Hatchmann & Co, Martinique, Cape Haitien
9 bgs, Lenape Trading Co, Oriente, Havana
29 bgs, Porcella Vicini & Co, Oriente, Havana
7 bgs, J N Hatchmann & Co, Colombia, Cape Haitien
10 bgs, Curacao Trading Co, Medea, Curacao
9 bgs, Medea, Curacao
7 seroons, Porcella Vicini & Co, San Jacinto, Puerto Plata
8 bgs, Curacao Trading Co, San Jacinto, Sanchez
11 bgs, A S Marques, Almena, Trujillo
43 bgs, Excalibur, Marseilles
BLACK—250 bgs, Deutschland, Hamburg
CARNAUBA—111 bgs, Bank of London South America, Normandiet, Natal
28 bgs, Innis, Speiden & Co, West Point, Natal
110 bgs, American Cyanamid & Chem Co, West Point, Fortaleza
208 bgs, W M Allison & Co, West Point, Fortaleza
148 bgs, Lenape Trading Co, West Point, Arcia Braneo
44 bgs, West Point, Arcia Braneo
168 bgs, Smith & Nichols, West Point, Fortaleza
111 bgs, American Cyanamid & Chem Co, West Point, Fortaleza
168 bgs, Strohmeyer & Arpe Co, West Point, Fortaleza
224 bgs, Innis, Speiden & Co, West Point, Fortaleza
168 bgs, Smith & Nichols, West Point, Camoeim
56 bgs, American Cyanamid & Chem Co, West Point, Camoeim
951 bgs, Strohmeyer & Arpe Co, West Point, Parnahyba
362 bgs, West Point, Parnahyba
CERESIN—2 cs, Concentrate Mfg Corp, President Harding, Havre
MINERAL—7 bgs, General Dyestuff Corp, Spaarndam, Rotterdam
MONTAN—60 bgs, Strohmeyer & Arpe Co, Deutschland, Hamburg
44 bgs, General Dyestuff Corp, Spaarndam, Rotterdam
11 bgs, General Dyestuff Corp, Volendam, Rotterdam
OZOCERITE—126 bgs, R N Dick, Pilsudski, Gdynia
194 pkgs, Amtorg Trading Corp, Voroshilov, Leningrad
SPERMACETTI—100 cs, McKesson & Robbins, Caledonia, Glasgow
STAIN—16 cs, J W Warnecke Corp, Spaarndam, Rotterdam
VEGETABLE—10 bgs, A Hurst & Co, American Merchant, London
WINE LEES—1,026 bgs, Minden, Buenos Aires
WOLFRAM ORE—400 bgs, Wah Chang Trading Corp, Wichita, Melbourne
WOODFLOUR—800 bgs, Burnet & Co, Stavangerfjord, Fredrikstad
400 bgs, B L Soberski, Stavangerfjord, Fredrikstad
YEAST—70 kegs, Compressed Yeast Corp, Deutschland, Hamburg
115 bbls, Vulkan Yeast Co, Deutschland, Hamburg
21 cks, Deutschland, Hamburg
ZINC OXIDE—70 bbls, Innis, Speiden & Co, Jean Jadot, Antwerp
25 cks, Landers, Segal Color Co, Pilsudski, Gdynia
100 cks, Franconia, Liverpool
ZIRCON SAND—4,000 bgs, Titanium Alloy Mfg Co, Wichita, Sydney
8,000 bgs, Titanium Alloy Mfg Co, Jeff Davis, Sydney

New York Transit Imports

BRONZE POWDER—21 dms, R C Nelsterig & Co, Eurona, Bergen, St Louis
CARAWAY SEED—100 bgs, Spaarndam, Rotterdam, Chicago
100 bgs, Black Heron, Rotterdam, Chicago
DIACETYL—2 cs, Volendam, Rotterdam, Buffalo
LIME JUICE—2 hhds, American Express Co, American Merchant, London, Bloomfield
OIL, CHINAWOOD—650 tons, W G Smith Co, Foylebank, Shanghai
COCONUT—575 tons, Procter & Gamble Co, Kiyosumi, Manila, Cincinnati

OIL, SESAME—625,019 kilos, Swift & Co. Spaarndam, Rotterdam, Chicago
PAPAIN—39 cs, Carter Cummings & Co, Foylebank, Colombo, Buffalo
POPPYSEED—150 bgs, Black Heron, Rotterdam, Cleveland
200 bgs, Black Heron, Rotterdam, Chicago
SPONGES—134 bls, Munargo, Havana, London
15 bls, Munargo, Havana, Kobe
53 bls, Munargo, Havana, Rotterdam
59 bls, Munargo, Havana, Antwerp
REFUSE—62 bls, Munargo, Havana, London
54 bls, Munargo, Havana, Kobe
14 bls, Munargo, Havana, Rotterdam
20 bls, Munargo, Havana, Antwerp

Baltimore Imports

ALUMINUM POWDER—14 cs, Baltimore & Ohio RR Co, City of Norfolk, Hamburg
AMMONIA PHOSPHATE—1,016 bgs, Black Falcon, Antwerp
ANTIMONY OXIDE—100 kgs, Black Falcon, Antwerp
BLEACHING POWDER—230 cs, American Express Co, Capulin, Liverpool
CHEMICALS — 650 bgs, City of Norfolk, Bremen
25 dms, Innis, Speiden & Co, Black Falcon, Rotterdam
200 cks, African Metals Corp, Black Falcon, Antwerp
400 cks, Spaarndam, Rotterdam
83 cks, Advance Solvents & Chem Co, Spaarndam, Rotterdam
CHROME ORE—1,000 tons, Exminster, Aghia Marina
1,000 tons, Exminster, Mersin
8,206 tons, E J Lavino Co, Tregarthen, Lourenco Marques
2,010 tons, E J Lavino Co, West Cawthon, Beira
2,286 tons, Extavia, Fethiye
CLAY—200 bgs, City of Norfolk, Hamburg
50 cks, City of Norfolk, Bremen
50 cks, Black Falcon, Rotterdam
300 cks, American Express Co, Black Falcon, Rotterdam
VALLENDAR—118 cks, Black Falcon, Rotterdam
COCOA MEAL—1,262 bgs, Spaarndam, Rotterdam
COLORS, EARTH—8 cks, City of Norfolk, Bremen
FERROMANGANESE—300 cs, Kwansai, Yokohama
FERTILIZER, NITROGENOUS — 2,000 bgs, Levernbank, Calcutta
500,000 kilos, Extavia, Constanza
ILMENITE SAND—2,000 tons, Levernbank, Koilthottam
INK, VARNISH—21 cs, Trans Seas Shipping Co, Quaker City, Hamburg
IRON, ORE—22,400 tons, Bethlehem Steel Co, Marore, Cruz Grande
30 tons, Capulin, Liverpool
6,967 tons, Leo J Buck, Boma, Narvik
100 bgs, E M & F Waldo, City of Norfolk, Bremen
OXIDE—17 bgs, E M & F Waldo, Capulin, Liverpool
MANGANESE ORE—8,350 tons, E J Lavino Co, Mansepool, Takoradi
7,600 tons, Pilcot, Rio de Janeiro
8,460 tons, Victoria City, Poti
MINERAL WATER—140 cs, City of Norfolk, Havre
MOLASSES—1,395,957 gls, Cuba Distilling Co, Elizabeth Kellogg, Matanzas
MYROBALAN EXTRACT, POWD—800 bgs, Capulin, Liverpool
OIL, FUEL—58,868 bbls, Standard Oil Co of N J, Leiesten, Aruba
PEATMOSS — 5,140 bls, City of Norfolk, Bremen
150 bls, City of Norfolk, Hamburg
PETROLEUM, CRUDE—73,559 bbls, Standard Oil Co of N J, Spinanger, Las Piedras
69,931 bbls, Pan Amer Ref Corp, Vinga, Las Piedras
PITCH—159 dms, Quaker City, Hull
POTASH, CHLORATE—300 cs, Innis, Speiden Inc, Black Falcon, Antwerp
PYRITES—5,184 tons, Baron Ruthven, Huelva
RED EARTH—10 cks, Spaarndam, Rotterdam
SALTPETER—363 bgs, Quaker City, Hamburg
SUPERPHOSPHATE—5,000 tons, Spaarndam, Rotterdam
WATTLE BARK—1,971 bgs, Tannin Corp, West Cawthon, Durban
2,200 bls, West Cawthon, Mombasa
YELLOW OXIDE—40 bgs, E M & F Waldo, Capulin, Liverpool
ZINC AMMONIUM CHLORIDE — 21 cks, Black Falcon, Antwerp

Boston Imports

ALBUMEN, EGG, HEN — 28 cs, 6,824 lbs, Chase National Bank, Gertrude Maersk, Shanghai
28 cs, American Cyanamid & Chemical Co, Noshiro, Kobe
BARYTES—900 bgs, 99,207 lbs, Brown Bros, Harriman, Excalibur, Genoa
BATH POWDER—3 cs, American Express Co, Franconia, Liverpool
BONE MEAL—1,249 bgs, 112,664 lbs, Black Osprey, Antwerp
BONES—216,379 lbs, Swift & Co, Minden, Buenos Aires
183,597 lbs, Swift & Co, Minden, Buenos Aires
CASEIN—417 bgs, 55,182 lbs, Chemical Bank & Trust Co, West Calumb, Buenos Aires
CASSIA—100 bls, Noshiro, Hongkong
100 bls, Irving Harrison, Noshiro, Hongkong
CHEMICALS — 775 bgs, 165,235 lbs, Black Osprey, Antwerp
50 dms, 12,071 lbs, American Cyanamid & Chem Co, Black Osprey, Antwerp
200 bgs, 25 dms, 84 dmjhns, 44,136 lbs, Black Osprey, Rotterdam
30 csks, 3,935 lbs, F A Kertess, Black Osprey, Rotterdam
14 csks, Schofield-Donald Co, Caledonia, Glasgow
CINNAMON—25 bls, Volkart Bros, Foylebank, Colombo
COCOA BEANS—1,600 bgs, Lady Drake, Trinidad
750 bgs, Middleton & Co, Lady Drake, Trinidad
1,250 bgs, Gertrude Maersk, Cristobal
COCONUT, DESIC—480 cs, Dodwell & Co, President Polk, Manila
EMERY FILLET—1 cs, John Hetherington & Sons, Franconia, Liverpool
1 cs, Atkinson, Haserick & Co, Franconia, Liverpool
FERTILIZER—5,000 bgs, 1,102,300 lbs, Mitsui & Co, Gertrude Maersk, Kobe
FISH LIVERS—2 cs, John Nagle, Yarmouth, Yarmouth
MEAL — 1,000 bgs, 101,850 lbs, Gertrude Maersk, Kobe
800 bgs, 88,184 lbs, H J Baker & Bros, West Calumb, Buenos Aires
4,248 bgs, 467,405 lbs, Joseph C Jett, West Calumb, Buenos Aires
GELATIN—155 bgs, 17,435 lbs, Black Osprey, Antwerp
GINGER, PRESERVED—60 csks, Gertrude Maersk, Hongkong
GLASS, COLORED—1 cs, C J Connick, Franconia, Liverpool
WINDOW—1,484 cs, 108,462 lbs, Black Osprey, Antwerp
GLUE—100 bgs, and 33 csks, 19,786 lbs, Rex & Reynolds, Excalibur, Marseilles
GLUESTOCK, FISH HEADS—101 bbls, John Nagle Co, O K Service II, Lunenburg
FISH SCRAP—6 bxs, J R Poole Co, Yarmouth, Yarmouth
HIDE CUTTINGS—112 bgs, 79 bls, 19 tons, 2 cwt, 1 qtr, 17 lbs, American Express Co, Franconia, Liverpool
GYPSUM—4,100 tons, U S Gypsum Co, Gypsum Queen, Windsor, N S
MAGNESIA CHLORIDE—6 dms, 6 cwt, 1 qtr, 14 lbs, Carborundum Co, Franconia, Liverpool
MEDICINAL HERBS—8 cs, 2,639 lbs, Black Osprey, Antwerp
PREP'S—6 cs, Quong Wo Lung, President Polk, Hongkong
3 cs, Sun Lee Chong Co, President Polk, Hongkong
MICA SPLITTINGS—120 cs, E J Cornelis, Whitford Point, Calcutta
105 cs, Whitford Point, Calcutta
NUTMEGS—50 bgs, Stickney & Poor Spice Co, Lady Drake, Grenada
OCHER—18 pkgs, Robinson, Wagner Co, President Polk, Marseilles
1,102 bgs, 55,530 lbs, Reichard-Coulston, Excalibur, Marseilles
OIL, FISH—30 dms, Atlantic Coast Fisheries Export Corp, Yarmouth, Yarmouth
FUEL—25,000 bbls, Colonial Beacon Oil Co, Geo J Henry, Aruba
OLIVE—315 cs, S S Pierce Co, President Polk, Genoa
75 cs, S S Pierce Co, President Polk, Marseilles
PEANUT—135 cs, Quong Wo Lung, President Polk, Hongkong
70 cs, Tung Hing Lung, President Polk, Hongkong
PEANUT ACID—100 dms, 45,812 lbs, Black Osprey, Rotterdam
SESAME—2 cs, Sun Lee Chong Co, President Polk, Hongkong
SPERM—200 bbls, 55 dms, Caledonia, Glasgow
TEASEED—75 dms, 34,591 lbs, Melchers, Inc, Gertrude Maersk, Hongkong
OSSEIN—2,750 bgs, 307,983 lbs, J O Whitten Co, Black Osprey, Antwerp
3,262 bgs, 393,370 lbs, Black Osprey, Antwerp
PEATMOSS—875 bls, 100,309 lbs, Premier Peat Moss Corp, Black Osprey, Antwerp
PETROLEUM, CRUDE—42,672 bbls, 6,452 tons, George G Henry, Las Piedras
PRESERVATIVE, WOOD—1 cs, 4 dms, 16 cwt, 22 lbs, Cuprinol, Inc, Franconia, Liverpool
QUEBRACHO EXTRACT—12,000 bgs, 1,297,806 lbs, American Tanners, West Calumb, Buenos Aires
100 bgs, 10,706 lbs, Tannin Corp, West Calumb, Buenos Aires
ROOTS, MEDICINAL—94 bgs, 10,714 lbs, Excalibur, Marseilles
SOAP, FLAKES—2 cks, Franconia, Liverpool
STARCH, POTATO—500 bgs, 110,230 lbs, Continental Grain Co, Black Osprey, Rotterdam
250 bgs, 55,115 lbs, Black Osprey, Rotterdam
TANKAGE—1,508 bgs, Chase National Bank, Minden, Montevideo
TAPIOCA FLOUR—500 bgs, H P Winter & Co, Foylebank, Sourabaya
250 bgs, Chase National Bank, Foylebank, Cheribon
3,210 bgs, Balfour, Guthrie & Co, Foylebank, Pamanoekan
VANILLA BEANS—9 cs, 11 cwt, 3 qtrs, 24 lbs, Franconia, Liverpool
WATER, MINERAL—82 cs, 17,791 lbs, S S Pierce Co, Sarcoxie, Havre
YERBA MATE—36 kegs, 5,390 lbs, Clicquot Club Co, West Calumb, Santos

Boston Transit Imports

COLOR, DRY—6 cs, Croxell Chemical Co, Franconia, Liverpool, for Cleveland
MEDICINAL PREPS—4 pkgs, Sin Kun Wo, President Polk, Hongkong, for Montreal
OIL, PEANUT—30 cs, Sin Kun Wo, President Polk, Hongkong, for Montreal
SESAME SEED—1 cs, Sin Kun Wo, President Polk, Hongkong, for Montreal

Houston Imports

LEATHERMEAL—1,500 bgs, West Harshaw, Rotterdam
MOTOR SPIRIT—40 dms, West Harshaw, Rotterdam
OIL—5 dms, West Harshaw, Rotterdam
SODA CHLORATE—1,000 dms, Vasaholm, Gothenburg

Los Angeles Imports

AGAR AGAR—390 lbs, Norfolk, Kobe
ARSENIC—11,030 lbs, Indien, Marseilles
BLOOD, DRIED—96,320 lbs, from Mexico
CAMPHOR, REFINED— 90 lbs, Asama, Kobe
CANARY SEED—330 bgs, 44,800 lbs, Hoyanger, Buenos Aires
CASSIA—13,700 lbs, President Lincoln, China
CHEMICALS—1,140 lbs, Asama, Yokohama
CINNAMON QUILLS—10,000 lbs, President Lincoln, China
COALTAR PRODUCTS—40 lbs, Norfolk, Kobe
COCOA FIBER—22,400 lbs, Tasmania, Colombo
CUMIN SEED—11,200 lbs, President Lincoln, Amritsar
CUTTLEFISH BONES—590 lbs, Indien, Milan
COTTONSEED MEAL—200,000 lbs, Norfolk, Kobe
DRUGS, CRUDE—80 lbs, Norfolk, Kobe
190 lbs, President Lincoln, Hongkong
DYE, HAIR—100 lbs, Norfolk, Kobe
EGG YOLK, HEN—11,200 lbs, President Lincoln, Tientsin
FERTILIZER—50,000 lbs, Norfolk, Kobe
1,400,000 lbs, San Luis, Kobe
NITROGENOUS—112,000 lbs, Salawati, Calcutta
FISH LIVERS—46,000 lbs, Tai Ping, Yokohama
FLAXSEED—3,300 lbs, Vernon City, Argentina
GLASS, ROLLED—3,010 lbs, Pacific Ranger, Liverpool
2,570 lbs, Pacific Trader, Birmingham
SHEET—1,520 lbs, Pacific Trader, Birmingham
38 cs, 6,830 lbs, San Diego, Brussels
6 cs, 3,380 lbs, Pacific Ranger, St Helene
GREASE, WOOL—12,000 lbs, Asama, Kobe
GUM, DAMMAR—3,000 lbs, Sembilan, Java
VEGETABLE—2,210 lbs, Indien, Milan
HEMPSEED MEAL—210,000 lbs, Norfolk, Kobe
INK—20 lbs, Norfolk, Kobe
20 lbs, Amagisan, Tokyo
MACE—2,200 lbs, Sembilan, Macassar
MEDICINAL PREPS—120 lbs, Norfolk, Kobe
1,410 lbs, From Belfast
MOSS, CRUDE—33,600 lbs, Moveria, Liverpool
OCHER, POWD—8,500 lbs, President Adams, Marseilles
OIL, COTTONSEED—336,000 lbs, Atago, China
EUCALYPTUS—50 lbs, Hauraki, Adelaide
MINERAL—10,000 lbs, From Antwerp
PEANUT — 1,440 lbs, President Lincoln, Hongkong
OLIVE—9,820 lbs, Indien, Genoa
10,390 lbs, Indien, Leghorn
11,640 lbs, President Adams, Genoa
11,300 lbs, President Adams, Marseilles
9,120 lbs, President Adams, Nice
SOYBEAN—390 lbs, Asama, Yokohama
PEPPER, BLACK—22,400 lbs, Sembilan, India
POTASH HYDROXIDE—6,600 lbs, Margaret Johnson, Gothenburg
PYRETHRUM FLOWERS—11,110 lbs, Indien, Marseilles
RICE BRAN MEAL—50,000 lbs, Norfolk, Tokyo
99,960 lbs, Norfolk, Kobe
SAGE LEAVES—13,910 lbs, Indien, Dubrovnik
SEAWEED, CRUDE—700 lbs, Norfolk, Kobe
SESAME SEED—20,000 lbs, Nako, Shanghai
MEAL—100,000 lbs, Norfolk, Kobe
112,000 lbs, Asama, Shanghai
SOAP, TOILET—90 lbs, From London
SUPERPHOSPHATE — 80,640 lbs, Norfolk, Osaka
UMBER & SIENNA—20,220 lbs, Indien, Leghorn
WHITING—11,200 lbs, Norfolk, Japan
ZINC ORE CONCENTRATES—8,730 lbs, From Vancouver

Mobile Imports

BAUXITE ORE — 2,986 tons, Belize, Paramaribo

New Orleans Imports

BAUXITE ORE—2,617 tons, Republic Mining & Mfg Co, Dalvangen, Paramaribo
133 tons, Republic Mining & Mfg Co, Dalvangen, Trinidad
CASSIA—150 bls, Whitney Bank, Smaragd, Cristobal
CHEMICALS—150 sx, Idarwald, Bremen
GLASS, WINDOW—1,700 cs, Michigan, Antwerp
JALAPA ROOT—8 sx, Tegucigalpa, Vera Cruz
MOLASSES—1,241,595 gls, Cuba Distilling Co, Caloria, Puerto Tarafa
646,205 gls, North American Trading & Import Co, Dixiano, Guayanilla
528,524 gls, North American Trading & Import Co, Dixiano, San Juan
665,468 gls, Commercial Molasses Corp, Gertrude Kellogg, Sagua la Grande
776,468 gls, Commercial Molasses Corp, Gertrude Kellogg, Havana
OIL, COTTONSEED—1,203 tons, Mitsui & Co, Tsuyama, Kobe
PALMKERNEL — 3,139 tons, Mittelmeer, Aarhus
250 tons, Colgate-Palmolive-Peet Co, Mittelmeer, Liverpool
POTASH CHLORATE — 250 csks, Bank of Manhattan, Idarwald, Hamburg
SULPHATE—10 bbls, N V Potash, Idarwald, Hamburg
VANILLA BEANS—26 cs, Lusk Shipping Co, Cayo Mambi, Gutierrez Zamora

Norfolk Imports

CHINA CLAY—443 tons, Paper Makers Import Co, Betty, Fowey
CLAY BALL—141 tons, 7 cwt, Paper Makers Import Co, Betty, Fowey
COCOA MEAL—1,262 bgs, Spaarndam, Rotterdam
FERTILIZER, NITROGENOUS — 2,000 bgs, Spaarndam, Rotterdam
HORN AND HOOF MEAL—522 bgs, 101,972 lbs, Quaker, City, London
LEATHER WASTE — 409 bgs, 44,156 lbs, Quaker City, London
839 bgs, 54,110 lbs, Artigas, London
MICA SCRAP—1,000 bgs, First National Bank of Boston, Mangalore, Calcutta
1,000 bgs, Levernbank, Calcutta

Philadelphia Imports

ACID, COTTONSEED OIL—61 bbls, Leos & Dilworth, Quaker City, Hull
44 cks, Capulin, Manchester
145 bbls, Capulin, Glasgow
CRESYLIC—1 dm, Capulin, Liverpool
116 dms, John H Faunce, Capulin, Liverpool
95 dms, Capulin, Liverpool
43 dms, John H Faunce, Capulin, Manchester
70 dms, Barrett Co, Capulin, Manchester
10 dms, Capulin, Manchester
ALBUMEN, EGG HEN—28 cs, American Cyanamid & Chem Corp, Noshiro, Tientsin via Kobe
ASBESTOS FIBRE—402 bgs, Alex Murphy, Scanpenn, Kotka
ASPHALTUM, LIQUID—2 dms, John L Vandiver, Capulin, Liverpool
BARYTES—3,000 tons, Bank du Credite Commercial Hellenique, Ary Lensen, Milos
7,200 tons, E I Du Pont de Nemours & Co, Germa, Rotterdam
BAUXITE—2,516 tons, Aluminum Union Ltd, Gunvor, Georgetown
RESIDUE—50 bgs, J Lee Smith & Co, Quaker City, Dundee
BERYL ORE—535 bgs, Silveray, Bombay
BOG ORE—525,282 kos, Quaker City, Hamburg
BONE MEAL—5,000 bgs, Silveray, Karachi
1,632 bgs, Birmania, Fiume
CANARY SEED—745 bgs, Arthur G Dunn, Paraguayo, Buenos Aires
CHALK—550,000 kos, Chase National Bank, Sarcoxie, Dunkirk
CHARCOAL, POWD—2 bgs, Merck & Co, Capulin, Glasgow
CHEMICALS—30 cs, C W Campbell Co, Tai Ping Yang, Kobe
CHINA CLAY—146 tons, 11 cwts, John W Higman Co, Betty, Fowey
1,444 bgs, John W Higman Co, Betty, Fowey
1,055 tons, 29 cwts, Paper Makers Importing Co, Betty, Fowey
70 cks, Paper Makers Importing Co, Betty, Fowey
4 bgs, Paper Makers Importing Co, Betty, Fowey
CHROME ORE—9,250 tons, Electro Metallurgical Co, Bosworth, Pagoumme
CLAY, BALL—305 tons, John W Higman Co, Betty, Fowey
554 tons, 28 cwts, Paper Makers Importing Co, Betty, Fowey
BOND—100,000 kos, Quaker City, Hamburg
FIRE—292,000 kos, Quaker City, Hamburg
TILE—37,000 kos, Quaker City, Hamburg
CLOVES—100 sks, Quaker City, London
COALTAR DISTILLATE—50 dms, Monsanto Chem Co, Capulin, Liverpool
COCOA BEANS—17,307 bgs, Balfour, Guthrie & Co, Otho, Lagos
10,844 bgs, United Africa Co, Otho, Koko
3,200 bgs, Balfour, Guthrie & Co, Otho, Addah
4,800 bgs, Balfour, Guthrie & Co, Otho, Winnebah
9,120 bgs, United Africa Co, Otho, Winnebah
2,080 bgs, Balfour, Guthrie Co, Otho, Takoradi
FIBRE—200 bls, First National Bank, Levernbank, Colombo
COCONUT, DESIC—439 cs, Sun Ripe, Coconuts Products Co, Tai Yang, Manila
CORK, REFUSE—4,148 bls, Armstrong Cork Co, Marina O, Djidjelli
2,500 bls, Armstrong Cork Co, Excello, Seville
VIRGIN—408 bls, Armstrong Cork Co, Marina O, Djidjelli
WASTE—680 bls, Wicander & Co, Cape Corso, Lisbon
1,249 bls, Armstrong Cork Co, Cape Corso, Marseilles
8,620 bls, Pennsylvania Trading Co, Marina O, Tabarka
CORK, WASTE—1,900 bls, Armstrong Cork Co, Marina O, Djidjelli
WOOD—340 bls, Armstrong Cork Co, Marina O, Djidjelli
1,534 bls, Armstrong Cork Co, Excello, Seville
CORKS—42 bls, Armstrong Cork Co, Excello, Seville
FLAXSEED—3,275 tons, Fredhem, La Plata
631 bgs, Fredhem, La Plata
1,524,000 kilos, Paraguayo, Buenos Aires
FULLER'S EARTH—100 bgs, L A Salomon & Bro, Quaker City, London
GASOLINE—1 cs, Samples, Atlantic Refining Co, Cape Corso, Marseilles
GLYCERIN—20 dms, Capulin, Liverpool
170 cks, Cape Corso, Marseilles
20 dms, Sarcoxie, Dunkirk
GREASE, REFUSE—60 bgs, Capulin, Liverpool
GUM, COPAL—220 bskts, O G Innes Corp, Talisse, Macassar
ILMENITE—1 bx, Paraguayo, Santos
IRON ORE, CHROME BEARING—3,500 tons, United States Vanadium Corp, Siljestad
OXIDE—20 cks, 40 bgs, Capulin, Liverpool
LAUREL LEAVES—72 bls, Banque Populaire, Birmania, Trieste
MACE—25 cs, J F Frank, Talisse, Macassar
MAGNESITE—432 bgs, Levernbank, Madras
CLINKERS—4,200 bgs, Noshiro, Dairen
MANURE, CHEMICAL—28 bgs, Hosea Waterer, Quaker City, London
MENTHOL—225 cs, Vick Chemical Co, Montreal, Kobe
MINERAL WATER—55 cs, John Wagner & Son, Capulin, Liverpool
MOLASSES—2,113,061 gls, North American Trading & Import Co, Athelchief, Antilla-Havana
1,400,000 gls, Cuba Distilling Co, Carrabulle, Santiago
MORDANT—1 keg, Capulin, Liverpool
MUSTARD SEED—250 bgs, Quaker City, London
372 bgs, McCormick & Co, Tai Ping Yang, Tientsin
MYROBALANS—22,810 pkts, Guaranty Trust Co, Levernbank, Calcutta
6,400 pkts, Levernbank, Calcutta
3,695 bgs, Silveray, Bombay
1,680 bgs, Tannin Corp, Silveray, Bombay
4,000 pkts, Marwarri, Calcutta
NAPHTHALENE—307 bgs, John H Faunce & Co, Quaker City, Hull
430 bgs, John H Faunce & Co, Quaker City, London
464 bgs, John H Faunce & Co, Capulin, Manchester
400 bgs, John H Faunce & Co, Capulin, Liverpool
NIGER SEEDS—34 bgs, Levernbank, Colombo
NUTMEGS—85 bgs, McCormick & Co, Talisse, Samarang
34 cs, Catz American Co, Talisse, Macassar
OCHER—35 csks, Cape Corso, Marseilles
300 csks, F B Vandegrift & Co, Cape Corso, Marseilles
OIL, CHINAWOOD—189 tons, Mitsui & Co, Nankai, Hankow
CODLIVER—50 dms, W Fischer, Topeka, Kristiansund
5 dms, Silmo Chemical Co, Topeka, Reykjavik
100 csks, Balfour, Guthrie & Co, Topeka, Bergen
150 dms, 75 csks, 25 bbls, J A McCarthy, Topeka, Bergen
50 dms, Allen Forwarding Co, Topeka, Bergen
CRUDE, WHITE—699.37 tons, Atlantic Refining Co, Winkler, Hamburg
COTTONSEED — 304 bbls, Pocone, Rio de Janeiro
184 bbls, Paraguayo, Santos
LUBRICATING—1 cs, J G Biddle & Co, Quaker City, London
1 cs, Atlantic Refining Co, Cape Corso, Lisbon
OLIVE — 110 dms, Philadelphia National Bank, Cape Corso, Marseilles
150 cs, Birmania, Leghorn
PALM—279,500 tons, Otho, Koko
PERILLA—229.8 tons, Nankai, Darien
TEASEED—100 dms, Balfour, Guthrie & Co, Montreal, Shanghai
PEANUT MEAL—770 bgs, National City Bank, Birmania, Trieste
PEATMOSS—1,000 bls, Peat Import Co, Quaker City, Hamburg
PEPPER, BLACK—972 bgs, First National Bank, Talisse, Oosthaven
PETROLEUM, CRUDE—92,855 bbls, Gulf Oil Corp, Gulfpenn, Las Piedras
REFINED—55 dms, R F Cruickshank Corp, Scanpenn, Copenhagen
POTASH, BICARBONATE—20 cks, Bank of Manhattan, Idarwald, Hamburg
BICHROMATE—(Through an error of transcription 20 casks of Potash Bicarbonate was listed as Potash Bichromate in the June 14 issue)
SULPHATE—1,000 bgs, N V Potash Export My Co, Quaker City, Hamburg
PYRIDIN—2 dms, E I DuPont de Nemours & Co, Capulin, Liverpool
PYRITES ORE—8,500 tons, General Chemical Co, Teesbank, Huelva
QUEBRACHO LOGS—3,605 tons, Tannin Corp, Belnor, Santa Fe
RESIN, LIQUID, DISTILLED—26 bbls, Scanpenn, Kotka
RUTILE ORE—420 bgs, Paraguayo, Santos
SESAME SEED—23 bgs, Levernbank, Colombo
SHELLAC—330 bgs, Manufacturers Trust Co, Marwarri, Calcutta
STEARIN—53 dms, Paraguayo, Santos
STONE, CRUDE CORNWALL— 770 tons, Paper Makers Import Co, Betty, Fowey
TALC—1,330 bgs, East Asiatic Co, Montreal, Shanghai
100 bgs, Chas Mathieu, Birmania, Genoa
18 cs, Whitaker, Clark & Daniels, Noshiro, Kobe
TANKAGE—5,000 bgs, Mutual Rendering Co, Paraguayo, Buenos Aires
2,014 bgs, Paraguayo, Buenos Aires
468 cakes, Paraguayo, Buenos Aires
TAPIOCA FLOUR—551 bgs, National City Bk, Talisse, Sourabaya
755 bgs, Chase Bag Co, Talisse, Cheribon
250 bgs, Rutger Bleecker & Co, Steel Seafarer, Batavia
500 bgs, Rutger Bleecker & Co, Steel Seafarer, Cheribon
750 bgs, Philadelphia National Bk, Kota Nopan, Cheribon
250 bgs, H P Winter & Co, Kota Nopan, Cheribon
400 bgs, Kota Nopan, Tegal
WAX, CERESIN—26 bgs, Birmania, Trieste
WITHERITE—500 bgs, J W Hampton, Jr, & Co, Quaker City, Hull

Portland, Ore., Imports

ACID, CITRIC—52 cs, Mauna Ala, Honolulu
ALBUMEN, EGG, HEN—56 cs, W E Turner Co, General Lee, Tientsin
BLEACHING POWDER—80 dms, Wilson & George Meyer & Co, Elbe, Antwerp
BRISTLES—55 cs, H Rosenhirsch Co, General Lee, Kobe
COPRA MEAL—3,000 sks, General Lee, Manila
GLASS, WINDOW—5 cs, Pacific Ranger, Manchester
OIL, CODLIVER—125 dms, Chalmers Shipping Co, Elbe, Bremen
MINERAL—60 dms, Elbe, Hamburg
MOLASSES—1,014 tons, Mauna Ala, Hilo

PARAFFIN, REFD — 1,365 sks, Patterson Shipping Co, Pleasantville, Palembang
SODA, CHLORATE—2,000 dms, Chemnyco, Inc, Elbe, Hamburg
500 dms, Balboa, Gothenburg
WHITENG—260 sks, 27 bbls, Canada, Copenhagen

San Francisco Imports

ALBUMEN, EGG, HEN—11 cs, Bashaw Co, Asama, Tientsin
AMMONIA PHOSPHATE—600 sks, Balfour, Guthrie & Co, Kingsley, Vancouver
ANDIROBA, NUTS—2,540 sks, Bank of California, N A, Brimanger, Para
SEED—112 sks, Brimanger, Para
BABASSU NUTS—2,738 sks, American Trust Co, Gregalia, Cristobal
1,667 sks, Pacific National Bank, Gregalia, Cristobal
833 sks, Bank of California, N A, Gregalia, Cristobal
3,386 sks, Bank of California, N A, Brimanger, Tutoyain
6,642 sks, American Trust Co, Brimanger, Tutoyain (for Oakland)
1,563 sks, Bank of California, N A, Brimanger, Tutoyain (for Oakland)
1,417 sks, American Trust Co, Brimanger, Maranhao
2,129 sks, Bank of California, N A, Brimanger, Para
513 sks, R J Roesling & Co, Brimanger, Para
BLUE—10 cs, Gregalia, Liverpool
CALCIUM SILICON—104 bbls, Prest-o-Lite Co, Abraham Lincoln, Oslo
CHALK—46 cs, Ravnaas, Antwerp
CHEMICALS—106 csks, Advance Solvents & Chemical Corpn, Abraham Lincoln, Hercen-Porsgrund
CHINA CLAY—280 tons, Balfour, Guthrie & Co, San Diego, Antwerp (for Oakland)
690 tons, Balfour, Guthrie & Co, San Diego, Antwerp (for Richmond)
CLAY, BALL—220 tons, Balfour, Guthrie & Co, San Diego, Antwerp
300 tons, Balfour, Guthrie & Co, San Diego, Antwerp (for Richmond)
420 sks, Gladding McBean & Co, Gregalia, Liverpool
COCOA BEANS—250 sks, San Diego, Cristobal
300 sks, H A Phillips, San Diego, Cristobal
407 sks, H A Phillips, Brimanger, Para
300 sks, San Lucas, Cristobal
200 sks, W R Grace & Co, Santa Elena, Cristobal
COLOR, FOOD — 2 cs, Andersen & Meyer, Abraham Lincoln, Oslo
COPRA—34,603 sks, Golden Coast, Levuka
1,494 sks, J N Raymond, Golden Coast, Levuka
CREOSOTE—100 dms, Gregalia, Liverpool
DENTIFRICE—1 cs, Fujimoto Co, Asama, Yokohama
EGG YOLK, HEN—28 cs, Pacific National Bank, Asama, Hankow
FERROMANGANESE — 25 bbls, Prest-o-Lite Co, Abraham Lincoln, Oslo
GLASS, SHEET—500 cs, W Andrews, San Diego, Antwerp
STAINED—1 cs, Gregalia, Liverpool
WINDOW—507 cs, Ravnaas, Antwerp (for Oakland)
46 cs, J Henry Schroder Banking Corp, Ravnaas, Antwerp (for Oakland)
3,301 cs, Ravnaas, Antwerp
10 cs, Pacific National Bank, Ravnaas, Antwerp
150 cs, Mitsubishi Shoji Kaisha, Asama, Osaka
1,166 cs, San Diego, Antwerp
20 cs, Pacific National Bank, San Diego, Antwerp
298 cs, Smith Glass Co, San Diego, Antwerp
521 cs, Smith Glass Co, San Diego, Antwerp (for Oakland)
27 cs, Pacific National Bank, San Diego, Antwerp (for Oakland)
295 cs, W Andrews, San Diego, Antwerp (for Oakland)
265 cs, Brimanger, Belgium
INSECTICIDE, AGRICULTURAL—1 cs, E J Doyle, Norfolk, Osaka
ISINGLASS — 10 bls, Pacific Trading Co, Norfolk, Kobe
23 bls, 6 cs, S Ishimitsu Co, Norfolk, Kobe
LAUREL LEAVES—70 bls, Gregalia, Liverpool
LOOFAHS—4 bls, American Sponge & Chamois Co, Asama, Kobe
MEDICINAL PREPS—1 cs, S Ishimitsu Co, Asama, Yokohama
7 cs, Iwata Trading Co, Asama, Yokohama
10 cs, Pacific Trading Co, Norfolk, Kobe
2 cs, S Ishimitsu Co, Norfolk, Kobe
MURU-MURU NUTS — 1,700 sks, Bank of California, N A, Brimanger, Para
OIL, ANDIROBA — 27 dms, American Trust Co, Brimanger, Para
73 dms, R J Roesling & Co, Brimanger, Para
CASTOR—50 dms, H M Newhall & Co, Norfolk, Kobe
CHINAWOOD—140 dms, D Hecht & Co, Asama, Hongkong
CODLIVER, POULTRY — 50 dms, Wilbur-Ellis Co, Abraham Lincoln, Oslo
COTTONSEED — 149 tons, Durkee Famous Foods, Asama, Kobe
135 dms, Arnhold & Co, Asama, Tientsin
COTTONSEED, REFD—144 bbls, 264 dms, Brimanger, Pernambuco
FISH, HARD—100 sks, Willits & Co, Asama, Kobe
RAPESEED, CRUDE—200 dms, Mitsui & Co, Norfolk, Osaka
SESAME, CRUDE — 165 dms, Durkee Famous Foods, Norfolk, Nagoya
SPERM SKIN — 50 dms, S L Jones & Co, Norfolk, Kobe
PEATMOSS—3,725 bls, Wilson & George Meyer & Co, Abraham Lincoln, Oslo
PEPPER—800 sks, Chas T Wilson Co, President Monroe, Colombo
BLACK—160 sks, Ravnaas, Antwerp
RICE BRAN MEAL—500 sks, Mitsubishi-Shoji-Kaisha, Norfolk, Yokohama
SAGE LEAVES—36 bls, Gregalia, Liverpool
SALTPETER—3,966 bgs, Chilean Nitrate Sales Corp, Capac, Iquique, for Auckland
SARDINEMEAL—1,000 sks, Western Wholesale Florist, Norfolk, Yokohama
SESAME MEAL—1,000 sks, Durkee Famous Foods, Norfolk, Nagoya
PULP—100 sks, Nippon Co, Asama, Shanghai
SILVERSAND—950 tons, Balfour, Guthrie & Co, San Diego, Antwerp (for Oakland)
SOAP, SOFT—50 dms, Schou-Gallis Co, Abraham Lincoln, Oslo
SODA NITRATE—3,998 sks, and 100,000 kilos, Chilean Nitrate Sales Corpn, Capac, Toco-pilla (for Oakland)
TALLOW, VEGETABLE — 249 pkgs, East Asiatic Co, Asama, Hankow
TEMBO ROOT — pkg, Edward Herschfield, Brimanger, Para
TOILET PREPS—1 cs, S Ishimitsu Co, Asama, Yokohama
6 cs, Iwaia Trading Co, Asama, Yokohama
2 cs, Fujimoto Co, Asama, Yokohama
2 cs, Mutual Supply Co, Norfolk, Kobe
5 cs, Pacific Trading Co, Norfolk, Kobe
TUCUM NUTS—200 sks, Bank of California, N A, Brimanger, Para
WAX, CARNAHUBA—105 sks, Bank of California, N A, Brimanger, Tutoyain
WOODFLOUR—3,000 sks, B L Soberski, Abraham Lincoln, Oslo
ZIRCONIUM—42 bbls, Prest-O-Lite Co, Abraham Lincoln, Oslo

Savannah Imports

CASTOR BEAN MEAL—2,668 bgs, Nevada, Hull
WATER, MINERAL—30 cs, Tatra, Oslo

Seattle Imports

ACID, CRESYLIC—110 dms, Pacific Ranger, Glasgow
CHEMICALS—150 dms, Wilson & George Meyer & Co, Elbe, Antwerp
GLASS, BLOWN—10 cs, C C Belknap Glass Co, Elbe, Hamburg
OIL, CODLIVER—325 dms, Elbe, Bremen
PARAFFIN, REF'D—847 sks, Patterson Shipping Co, Pleasantville, Palembang
PEATMOSS—25 bls, Canada, Copenhagen
POTASH MURIATE—500 sks, N V Potash Export My, Elbe, Antwerp
WHITING—947 sks, Canada, Copenhagen
TAPIOCA FLOUR—365 sks, Balfour, Guthrie & Co, Pleasantville, Pamanoekan

Tacoma Imports

TAPIOCA FLOUR—150 sks, Balfour, Guthrie & Co, Pleasantville, Pamanoekan

Tampa Imports

COCONUTS—250, Angrer, Trujillo

Exports from U.S. Ports

New York Exports

Clearance Dates

American Importer, June 4; Ancon, June 2; Argentino, May 24; Bergensjord, June 4; Boston City, June 11; Buenaventura, May 25; Cameronia, June 11; Caracas, June 2; Cauto, May 11; Chincha, June 10; Cristobal, May 18; De Grasse, June 9; Executive, June 5; Guayaquil, June 8; Gypsum Empress, June 18; Haiti, June 10; Hav, May 13; Ida, June 14; Katsuragi, May 31; Kelso, June 12; Kermic, June 19; Konigstein, June 4; Lancaster, June 8; Lara, June 9; Mercier, June 10; Noto, June 7; Oriente, May 21; Orizaba, May 13; Padnsay, May 18; Pan America, June 5; Paul H Harwood, June 8; Queen Mary, June 8; Santa Lucia, May 7; San Jacinto, June 5; Siboney, May 20; Statendam, June 4; Steel Navigator; June 5; Swinburne, June 8; Toloa, June 12; Utsire, June 10; Winkler, June 16; Yucatan, May 27

ACETONE—2,490 lbs, Bergensfjord, Bergen
ACID, FORMIC—(Padnsay) 19,336 lbs, Marshall; 5,088 lbs, Cape Palmas
MURIATIC—(Cristobal) 8,142 lbs, Port Prince; 8,461 lbs, Buenaventura; 30,980 lbs, San Jacinto, Ponce; 18,300 lbs, Musa, Tela
NITRIC—5,446 lbs, Oriente, Havana
SULPHURIC—5,558 lbs, Borinquen, San Juan; 5,022 lbs, Oriente, Havana
TARTARIC—2,820 lbs, Yucatan, Vera Cruz
AMMONIA, ANHYDR—103,478 lbs, Hav, St Lucia; 1,174 lbs, Buenaventura
ASPHALT—13,272 lbs, Santa Lucia, Panama City; (Argentino) 607,732 lbs, Rio de Janeiro; 94,763 lbs, Santos; (Executive) 181,600 lbs, Piraeus; 114,485 lbs, Istanbul; 6,951 lbs, Borinquen, San Juan; 11,200 lbs, Kelso, Newcastle
FLUX—89,588 lbs, Lancaster, Capetown
LIQUID—11,256 lbs, American Importer, Liverpool; 10,348 lbs, Lancaster, East London
BLUE, LAUNDRY—3,910 lbs, Toloa, Mollendo
ULTRAMARINE—2,110 lbs, Yucatan, Vera Cruz; (Toloa) 14,052 lbs, Cartagena; 2,694 lbs, Guaymas
CALCIUM CARBIDE—7,447 lbs, Haiti, Porto Colombia
CHLORIDE FLAKE—16,860 lbs, Haiti, Cartagena
CHEMICALS—1,271 lbs, American Importer, Liverpool; 5,011 lbs, Statendam, Rotterdam; 15,687 lbs, Mercier, Antwerp
CHLORINE, LIQ—5,801 lbs, Guayaquil, Tumaco
CHROME SULPHATE—22,363 lbs, Swinburne, Ceara
CLAY—42,952 lbs, Konigstein, Antwerp; 21,208 lbs, Queen Mary, Southampton; 60,000 lbs, Bergensfjord, Oslo
CLEANING COMP—11,200 lbs, Cameronia, Glasgow
COALTAR—2,750 lbs, Buenaventura, Panama City
INTERMEDIATES—617 lbs, American Importer, Liverpool; 772 lbs, Statendam, Rotterdam; 11,842 lbs, Yucatan, Vera Cruz; 11,292 lbs, Orizaba, Vera Cruz; 23,662 lbs, Siboney, Vera Cruz
COLOR, DRY—1,612 lbs, Musa, Porto Barrios; 5,720 lbs, Toloa, Panama City
CORN FLOUR—(Toloa) 1,235 lbs, Amapala; 592 lbs, Corinto; 741 lbs, Mollendo; 400 lbs, Musa, Porto Barrios
SUGAR—9,210 lbs, Bergensfjord, Oslo
SYRUP—52,500 lbs, Boston City, Bristol; 3,055 lbs, Musa, Porto Barrios
DEXTRIN—48,936 lbs, Yucatan, Vera Cruz
DYES—625 lbs, Statendam, Rotterdam
ETHER—1,080 lbs, Argentino, Buenos Aires
FERTILIZER—424,200 lbs, Hav, St Kitts; 226,000 lbs, Oriente, Havana
GASOLINE—(Padnsay) 25,000 gls, Dakar; 48,980 gls, Accra; 40,000 gls, Takoradi; 10,000 gls, Freetown; 8,250 gls, Lara, Maracaibo; 64,185 gls, Lancaster, Port Natal; 4,200 gls, Buenaventura, Port Prince
GLUCOSE—5,040 lbs, Pan America, Santos
GLUE, VEGETABLE—2,020 lbs, Toloa, Cartegena
GLYCERIN—5,040 lbs, Utsire, Izmir
GREASE, LUBRICATING—(Argentino) 7,653 lbs, Santos; 23,060 lbs, Montevideo; 1,639 lbs, Buenos Aires; 58,504 lbs, Konigstein, Antwerp; (Executive) 8,863 lbs, Piraeus; 1,512 lbs, Salonica; (Katsuragi) 22,940 lbs, Yokohama; 9,203 lbs, Osaka; (Noto) 307,835 lbs, Yokohoma; 2,266 lbs, Kobe; 13,239 lbs, American Importer, Liverpool; (Lancaster) 11,679 lbs, Capetown; 11,670 lbs, Port Elizabeth; 5,874 lbs, East London; 35,200 lbs, Lourenco Marques; (Statendam) 8,543 lbs, Rotterdam; 3,050 lbs, Amsterdam; 720 lbs, Steel Navigator, Shanghai; 13,662 lbs, Santa Lucia, Callao; 7,788 lbs, Buenaventura, Cristobal; 18,161 lbs, Pan America, Buenos Aires; 2,340 lbs, Bergenfjord, Oslo; (Kelso) 6,869 lbs, Hull; 89,624 lbs, Newcastle; (Boston City) 1,326 lbs, Bristol; 158 lbs, Cardiff; 150,116 lbs, Siboney, Vera Cruz; 7,007 lbs, Chincha, Talcahuano; 735 lbs, Haiti, Port Prince; (Musa) 2,184 lbs, Tela; 226 lbs, Porto Barrios; 1,170 lbs, Toloa, Amapala
INFUSORIAL EARTH—60,400 lbs, Lancaster, Port Natal; 20,500 lbs, San Jacinto, Ponce
INSECTICIDE—3,294 lbs, Haiti, Port Prince
AGRICULTURAL—1,302 lbs, Executive, Piraeus; 728 lbs, Bergensfjord, Oslo
HOUSEHOLD—45,840 lbs, Executive, Istanbul
INDUSTRIAL—6,250 lbs, Utsire, Izmir
KEROSENE — (Padnsay) 18,470 gls, Dakar; 5,000 gls, Freetown; 250 gls, Cape Palmas
LACQUER—6,018 lbs, Argentino, Montevideo; (Pan America) 5,216 lbs, Rio de Janeiro; 4,078 lbs, Santos; 14,190 lbs, Buenos Aires
LARD — 20,393 lbs, Konigstein, Antwerp; (American Importer) 72,600 lbs, Liverpool; 64,558 lbs, Manchester; 12,800 lbs, Borinquen, San Juan; 6,000 lbs, San Jacinto, Mayaguez; 20,000 lbs, Caracas, La Guayra; 185,515 lbs, Kelso, Hull; (Boston City) 9,750 lbs, Bristol; 63,375 lbs, Cardiff
LEAD, BLUE, SUBLIMED — 24,239 lbs, Bergensfjord, Sandefjord
RED—2,472 lbs, Lancaster, East London
LINSEED CAKE — 225,362 lbs, Konigstein, Antwerp; (American Importer) 225,431 lbs, Liverpool; 336,626 lbs, Belfast; 6,600,200 lbs, Mercier, Antwerp
LITHARGE—9,876 lbs, Utsire, Izmir
DRY—16,684 lbs, Lancaster, East London
LITHOPONE — 625 lbs, Statendam, Rotterdam; 8,600 lbs, Kelso, Newcastle; 38,062 lbs, Cauto, Vera Cruz; 38,664 lbs, Siboney, Vera Cruz
MOLYBDENUM, CONC—60,552 lbs, American Importer, Liverpool
NAPHTHA — (Padnsay) 58,500 gls, Dakar; 5,950 gls, Monrovia; 1,500 gls, Cape Palmas; 30,000 gls, Port Bouet; 10,000 gls, Half Assinie; 49,500 gls, Accra; 500 gls, Keta; 2,750 gls, Duala
OIL, BRIGHT STOCK—691 tons, Ida, Fiume
CAMPHOR—1,824 lbs, Lancaster, Capetown
CASTOR—820 lbs, Borinquen, San Juan; 1,804 lbs, Steel Navigator, Honolulu
COOKING—1,915 lbs, San Jacinto, San Juan
CORN—269 lbs, Hav, St Thomas
DIESEL—1,100 gls, Padnsay, Lome
EDIBLE—3,680 lbs, Musa, Porto Barrios; (Toloa) 7,041 lbs, Porto Colombia; 2,325 lbs, Amapala; 2,825 lbs, Corinto
FISH—1,332 lbs, San Jacinto, San Juan
GAS—(Padnsay) 2,750 gls, Freetown; 1,650 gls, Port Bouet; 8,250 gls, Accra; 5,500 gls, Keta; 2,750 gls, Lome; 13,750 gls, Lagos; 2,750 gls, Port Harcourt; 1,650 gls, Abonema; 2,750 gls, Duala
LUBRICATING — (Santa Lucia) 935 gls, Buenaventura; 1,980 gls, Guayaquil; 3,575 gls, Callao; 770 gls, Mollendo; 8,550 gls, Antofagasta; 11,850 gls, Valparaiso; 17,335 gls, Talcahuano; 4,860 gls, Corral; (Buenaventura) 1,100 gls, Amapala; 5,175 gls, Acajutla; 12,500 gls, Cristobal; (Ancon) 1,925 gls, Porto Colombia; 5,300 gls, Corinto; 990 gls, Puntarenas; 1,215 gls, San Jacinto, San Juan; (Padnsay) 4,560 gls, Dakar; 950 gls, Freetown; 5,390 gls, Port Bouet; 18,220 gls, Takoradi; 550 gls, Keta; 3,520 gls, Lome; 9,140 gls, Lagos; 3,850 gls, Port Harcourt; 275 gls, Abonema; 2,600 gls, Calabar; 275 gls, Duala; 2,750 gls, Matadi; (Argentino) 6,580 gls, Santos; 25,575 gls, Montevideo; 660 gls, Konigstein, Antwerp; (Executive) 825 gls, Casablanca; 19,250 gls, Piraeus; 2,200 gls, Salonica; 6,800 gls, Istanbul; (Noto) 31,075 gls, Yokohama; 8,195 gls, Moji; 10,885 gls, Kobe; (Swinburne) 3,780 gls, Para; 2,050 gls, Manaos; 550 gls, Ceara; 880 gls, Bahia; (American Importer) 2,750 gls, Liverpool; 16,660 gls, Manchester; 1,840 gls, Lara, Maracaibo; 10,450 gls, Lancaster, Lourenco Marques; (Statendam) 5,610 gls, Rotterdam; 8,106 gls, Amsterdam; (Mercier) 5,775 gls, Antwerp; 6,225 gls, Switzerland; (De Grasse) 100 gls, Bordeaux; 4,642 gls, Havre; (Kelso) 11,840 gls, Hull; 4,881 gls, Newcastle; (Cameronia) 480 gls, Dundee; 4,011 gls, Glasgow; (Boston City) 2,430 gls, Bristol; 8,145 gls, Cardiff; (Bergensfjord) 570 gls, Sarpsborg; 8,455 gls, Oslo; (Winkler) 306,936 gls, Antwerp; 182,406 gls, Hamburg; (Chincha) 1,375 gls, Tocopilla; 2,785 gls, Coquimbo; 19,895 gls, Talcahuano; 1,430 gls, Haiti, Port Prince; (Guayaquil) 1,425 gls, Tumaco; 2,425 gls, La Libertad; (Musa) 935 gls, Tela; 3,465 gls, Porto Barrios; 1,650 gls, Toloa, Porto Colombia; 26,950 gls, Yucatan, Vera Cruz; (Cauto) 8,190 gls, Vera Cruz; 24,200 gls, Tampico; 550 gls, Siboney, Vera Cruz
OLEO—58,683 lbs, Statendam, Rotterdam; 23,763 lbs, Cameronia, Glasgow; 9,375 lbs, Boston City, Cardiff
PEPPERMINT—727 lbs, Lancaster, Capetown
PINE—727 lbs, Lancaster, Capetown
PAINT—25,340 lbs, Konigstein, Antwerp; 3,180 lbs, Executive, Istanbul; 9,203 lbs, Katsuragi, Osaka; 14,388 lbs, Borinquen, San Juan; 2,646 lbs, Steel Navigator, Honolulu; 21,060 lbs, Santa Lucia, Benuaventura; (San Jacinto) 1,527 lbs, San Juan; 4,026 lbs, Mayaguez; 9,231 lbs, Pan America, Buenos Aires; 2,179 lbs, Hav, St Croix; 6,258 lbs, Bergensfjord, Oslo; 6,165 lbs, Toloa, Puerto Colombia
ASPHALT—3,166 lbs, Lancaster, East London
PREPARED—2,182 lbs, Lancaster, Lourenco Marques; 2,246 lbs, Toloa, Colon; (Musa) 2,310 lbs, Tela; 2,525 lbs, Guatemala City
THINNER—550 gls, Santa Lucia, Callao; 1,100 gls, Pan America, Buenos Aires
PARAFFIN—1,749 lbs, American Importer, Liverpool; 65,075 lbs, Lara, Maracaibo; 2,690 lbs, Mercier, Antwerp; (Santa Lucia) 11,062 lbs, La Union; 34,060 lbs, Talcahuano; (Cristobal) 22,244 lbs, Amapala; 11,122 lbs, La Libertad; 16,640 lbs, Ancon, Corinto; (Kelso) 134,715 lbs, Hull; 17,104 lbs, Newcastle, 2,224 lbs, Bergensfjord, Sarpsborg; 203,660 lbs, Siboney, Vera Cruz; 67,968 lbs, Haiti, Cartagena; (Musa) 20,221 lbs, Guatemala City; 8,667 lbs, Puerto Barrios; (Toloa) 67,800 lbs, Puerto Colombia; 22,244 lbs, Amapala
SCALE—5,229 lbs, Statendam, Amsterdam; 121,506 lbs, Boston City, Bristol
PETROLEUM, REF'D—(Padnsay) 10,000 gls, Dakar; 3,000 gls, Monrovia; 9,000 gls, Port Bouet; 330 gls, Grand Bassam; 1,000 gls, Half Assinie; 25,500 gls, Keta; 1,000 gls, Lome; (San Jacinto) 27,500 gls, San Juan; 5,000 gls, Ponce; 14,350 gls, Caracas, La Guaira
POTASH BROMATE, POWD — 2,660 lbs, Statendam, Rotterdam
CARBONATE—4,848 lbs, Haiti, Cartagena
ROSIN—2,535 lbs, Toloa, Porto Armuelles
SOAP, TOILET—18,000 lbs, Bergensfjord, Oslo
SODA ASH—6,520 lbs, Steel Navigator, Honolulu; 378,892 lbs, Cauto, Vera Cruz; 29,245 lbs, Siboney, Vera Cruz; 4,460 lbs, Haiti, Cartagena; 16,300 lbs, Toloa, Porto Armuelles
BICARBONATE—44,780 lbs, Cauto, Vera Cruz; 22,540 lbs, Siboney, Vera Cruz; 10,300 lbs, Musa, Porto Barrios; 11,100 lbs, Toloa, Buenaventura
CAUSTIC—345,600 lbs, Noto, Osaka; 34,464 lbs, Utsire, Messina; 165,182 lbs, Yucatan, Vera Cruz; 110,105 lbs, Siboney, Vera Cruz; 27,200 lbs, Haiti, Cartagena; 21,590 lbs, Toloa, Porto Armuelles
CHLORATE — 4,248 lbs, Steel Navigator, Honolulu
CYANIDE—2,720 lbs, Cristobal, La Union; 1,240 lbs, Toloa, Porto Colombia
SILICATE — 6,859 lbs, American Importer, Liverpool; 3,828 lbs, Musa, Porto Barrios; 31,562 lbs, Oriente, Havana
STARCH, CORN—8,769 lbs, Steel Navigator, Honolulu; 4,000 lbs, Amapala, Santiago; 4,038 lbs, Bergensfjord, Stavanger; 6,500 lbs, Cameronia, Glasgow
SULPHUR—4,080 lbs, Haiti, Cartagena; 4,880 lbs, Musa, Porto Barrios; 3,054 lbs, Guayaquil, Tumaco
CRUDE—400,048 lbs, Kermic, Donnacona
TALC—(American Importer) 30,300 lbs, Liverpool; 20,200 lbs, Manchester; (Kelso) 56,000 lbs, Hull; 127,800 lbs, Newcastle; 10,100 lbs, Haiti, Porto Colombia
TANNING EXTRACT—1,447 lbs, Konigstein, Antwerp; 2,430 lbs, Statendam, Amsterdam
MATERIAL — 17,929 lbs, Pan America, Buenos Aires
TURPENTINE—(Argentino) 1,500 gls, Montevideo; 2,500 gls, Buenos Aires; 2,000 gls, Rosario; 2,500 gls, Swinburne, Ceara
WITCH HAZEL EXTRACT—418 lbs, Swinburne, Iquitos; 49,604 lbs, Boston City, Bristol
ZINC OXIDE—2,000 lbs, Lancaster; East London; 4,520 lbs, Orizaba, Vera Cruz

Baltimore Exports

Clearance Dates

Angol, June 12; Artigas, June 15; Blankaholm, June 10; Challenger, June 16; City of Evansville, June 10; City of Hamburg, June 10; Golden Cloud, June 16; Greylock, June 15; San Rafael, June 17; Shunten, June 12; Silverteak, June 16; Tasmania, June 15

ALCOHOL, BUTYL—40,320 lbs, Tasmania, Kobe
ALUMINUM FLAKES—11,016 lbs, City of Hamburg, Surrey
AMMONIA SULPHATE—1,599 tons, Challenger, Port Natal; 1,963 tons, Golden Cloud, Honolulu
ASBESTOS REFUSE—11,200 lbs, City of Hamburg, Hamburg
ASPHALT, PETROLEUM—(City of Hamburg) 5 tons, Havre; 5 tons, Bergen
CADMIUM LITHOPONE—1,650 lbs, City of Hamburg, London
CEMENT ROOFING—(Challenger) 128 lbs, Capetown; 1,152 lbs, Port Elizabeth
CHEMICALS—410 lbs, Greylock, Johannesburg
CHEMICAL COMP—2,027 lbs, Greylock, Capetown
CORNFLOUR—20,000 lbs, Artigas, Hull
DEXTRIN—4,000 lbs, Challenger, Durban
FERROMANGANESE—18 tons, San Rafael, Valparaiso
GLUE—640 lbs, Challenger, Durban
GRAPHITE—6,000 lbs, Greylock, Johannesburg
GREASE, LUBRICATING—(City of Hamburg) 33,619 lbs, Hamburg; 1,187 lbs, Stockholm
INSECTICIDE—2,486 lbs, Tasmania, Manila; (San Rafael) 5 lbs, San Jose; 893 lbs, Medellin
LEAD ARSENATE—46,032 lbs, Greylock, Capetown
LIME SULPHUR SOL—10,500 gals, Greylock, Capetown
LINSEED CAKE—100 tons, Artigas, Cork
MEDICINAL PREPS—108 lbs, Blankaholm, Gothenburg
METHANOL—198,900 lbs, Tasmania, Kobe
NICKEL SULPHATE—10,000 lbs, Tasmania, Kobe
OIL, FLOTATION—80,000 lbs, Angol, San Antonio
LUBRICATING—197 bbls, City of Hamburg, London
PARAFFIN—33,636 lbs, Greylock, Port Elizabeth
POLISH, AUTO—770 lbs, Greylock, Port Natal
FURNITURE—1,668 lbs, Greylock, Port Natal
METAL—6,668 lbs, Tasmania, Manila
PASTE—414 lbs, Tasmania, Manila
SHOE—1,168 lbs, City of Hamburg, Morges
PORCELAIN ENAMEL FRIT—5,700 lbs, City of Hamburg, Stockholm
LIQUID—170 lbs, City of Hamburg, Stockholm
POTASH BICHROMATE—(City of Hamburg) 6,720 lbs, London; 1,524 lbs, Memel
ROSIN—(Greylock) 100,140 lbs, Captown; 190,555 lbs, Durban; 59,350 lbs, Johannesburg
RUTILE—750 lbs, City of Hamburg, Hamburg
SAND, PREPARED—6,158 lbs, City of Hamburg, Paris
SELENIUM, POWD—551 lbs, City of Hamburg, Bombay
SODA, ALUMINATE—15,636 lbs, City of Hamburg, London
BICHROMATE—13,030 lbs, City of Hamburg, Bordeaux; 11,200 lbs, Tasmania, Shanghai
CAUSTIC—216,500 lbs, City of Evansville, Manila; 160,300 lbs, Tasmania, Manila
SILICATE—65,000 lbs, Tasmania, Shanghai
STARCH—(Artigas) 22,400 lbs, Dundee; 129,920 lbs, London
TURPENTINE—(Greylock) 20,560 gals, Capetown; 220 gals, Port Elizabeth; 850 gals, Port Natal; 1,450 gals, Johannesburg
UREA—20,000 lbs, City of Hamburg, Havre

Boston Exports

Clearance Dates

Alhambia, June 16; American Shipper, June 13; American Trader, June 13; Evangeline, June 14; Foylebank, June 18; Montreal, June 14; President Taft, June 14; Saint John, June 13-15; Samaria, June 12; San Jose, June 11; Sarcoxie, June 16; Yarmouth, June 14-16.

ACID, BORIC—2 sacks, 200 lbs, Saint John, St John, N B
SULPHURIC—30 crbys, 5,400 lbs, San Jose, Havana
ALUMINA, OXIDE—744 bgs, 20 kgs, 81,345 lbs, Sarcoxie, Seine
SULPHATE—5 bbls, 1,675 lbs, Saint John, St. John, N B
ABESTOS FIBER—2,000 bgs, 200,000 lbs, Montreal Maru, Kobe
BORAX—20 bgs, 2,000 lbs, Yarmouth, Canning N S
CEMENT, RUBBER—(San Jose) 1 dm, 108 lbs San Jose; 40 cs, 200 gls, Panama; 42 dms 26 cs, 1 bbl, 662 gls, Havanna; 7 bbls, 361 gls, President Taft, Manila
CLAY—569 bbls, 66 tons, Sarcoxie, Seine
COALTAR—25 bbls, 45 dms., 3,795 gls, San Jose, Havana
DEXTRINE—50 bgs, 5,000 lbs, San Jose, Havana; 2 bge, 340 lbs, American Trader London; 14 bgs, 2,100 lbs, Yarmouth, Halifax
DIATOMACEOUS EARTH—45 bgs, 2,250 lbs American Trader, Melksham
DISINFECTANT, COALTAR—22 bbls, 1,00 gls, San Jose, Havana

DRESSING, LEATHER—10 pls, 8 cs, 25 bbls, and 14 cans, American Shipper, Leicester; 3 cs, 229 lbs, President Taft, Hongkong
SHOE—(San Jose) 2 cs, 153 lbs, Panama; 98 cs, 4 bbls, 6,177 lbs, Havana; 2 bbls, 3 cs, 991 lbs, President Taft, Manila
FAT, WOOL—1 bbl, 317 lbs, President Taft, Shanghai
FISH EGG MEAL—3 bgs, 300 lbs, Yarmouth, Yarmouth
FLUX—37 dms, 4,995 lbs, President Taft, Yokohama
GASOLINE — (Alhambia) 50 dms, 2,700 gls, English Harbor, N F; 30 dms, 1,620 gls, Marystown, N F (Alhambra) 55 dms, 2,970 gls, Burin, N F; 287 dms, 15,498 gls. Grand Bank, N F; 500 dms, 27,000 gls, St Pierre
GLUE—1 bbl, 233 lbs, President Taft, Honolulu; 1 bbl, 370 lbs, Yarmouth, Halifax
GREASE, LUBRICATING—1 pkg, 60 lbs, Samaria, Liverpool; 6 pkgs, 600 lbs, Evangeline, St John, N B; 10 pls, 250 lbs, Saint John, N B
MINERAL—1 dm, 35 lbs, President Taft, Shanghai
INK, PRINTING—16 cs, 1,625 lbs, San Jose, Havana
WRITING—(President Taft) 1 cs, Tokio; 85 pkgs, 7,123 lbs, Tientsin; 15 pkgs, Hongkong; 31 pkgs, Manila; 38 pkgs, Honolulu; 54 pkgs, Hilo
INVALID'S FOOD—12 cs, 285 lbs, San Jose, Havana
KEROSENE—(Alhambia) 20 dms, 1,080 gls, Marystown, N F; 20 dms, 1,080 gls, Burin, N F; 133 dms, 7,182 gls, Grand Bank, N F
LINING COMP—10 dms, 477 lbs, American Shipper, Calcutta; 3 dms, 1,403 lbs, Sarcoxie, Havre
LUBRICANT, DRAWING—31 dms, 1,101 lbs, Sarcoxie, Havre
MEDICINAL PREPS—12 cs, 1,426 lbs, San Jose, Havana; 370 bx, 1,850 gls, American Trader, London
MUCILAGE—7 pkgs, 87 lbs, President Taft, Honolulu
OIL, LUBRICATING—2 cs, 30 gls, Samaria, Liverpool; 5 dms, 270 gls, Alhambra, Grand Bank, N F; 6 dms, Evangeline, St John, N B
PINETAR—1 dm, 55 gls, Yarmouth, Halifax
SEWING MACHINE—12 cs, 27 gls, President Taft, Honolulu
PAINT—3 cs, 100 lbs, Yarmouth, Truro, N S
COPPER—50 cs, 15 pls, 7,125 lbs, San Jose, Havana
PASTE—(President Taft) 4 pkgs, 360 lbs, Manila; 38 pkgs, 1,633 lbs, Hilo
ADHESIVE—(President Taft) 7 pkgs, 347 lbs, Honolulu; 45 pkgs, 1,748 lbs, Hilo; 19 dms, 884 lbs, Sarcoxie, Havre
FLOUR, DRY—10 bbls, 1,000 lbs, San Jose, Havana; 2 bbls, 560 lbs, President Taft, Manila
POLISH, SHOE—(San Jose) 42 crtns, 417 lbs, Panama; 40 crtns, and 50 bxs, 2,750 lbs, Havana; (President Taft) 10 cs, 2,300 lbs, Manila; 3 cs, 45 lbs, Pala
SILVER—1 bx, 178 lbs, President Taft, Shanghai
ROSIN — 3 dms, 1,239 lbs, President Taft, Hongkong
SOAP, BORAX—20 cs, 760 lbs, President Taft, Manila
FLAKE—11 cs, 367 lbs, San Jose, Havana; 30 cs, 1,006 lbs, Foylebank, Manila
POWDER—10 cs, 450 lbs, Foylebank, Manila
SHAVING—2 pkgs, 47 lbs, Foylebank, Manila
TAR—44 cs, 1,100 lbs, San Jose, Havana
SODA, SULPHATE—100 kgs, 11,400 lbs, San Jose, Havana
TANNING EXTRACT—1 bbl, 55 gls, San Jose, Havana
TOILET PREPS—2 cs, 143 lbs, San Jose, Havana
VANILLA BEANS—2 cs, 208 lbs, Saint John, St John, N B
WASHING POWDER — 10 bbls, 2,000 lbs, President Taft, Manila
WATER, MINERAL—5 cs, 52 gls, San Jose, Havana
WAX, BEES—3 cs, 404 lbs, American Shipper, Birmingham
CARNAUBA—1 cs, 25 lbs, San Jose, Havana
SHOE—15 cs, 2 bbls, 1,572 lbs, San Jose, Havana; 1 cs, 17 lbs, President Taft, Honolulu
VEGETABLE—3 dms, 1,198 lbs, Sarcoxie, Havre
WITCH HAZEL EXTRACT—1 bbl, 50 gls, San Jose, Havana

Corpus Christi Exports
Clearance Dates

Havprins, June 8; Woensdrecht, June 6

GASOLINE—53,580 bbls, Woensdrecht, Hull
OIL, GAS—2,266 bbls, Havprins, Montreal
PETROLEUM, CRUDE—91,176 bbls, Havprins, Montreal

Galveston Exports
Clearance Dates

Blommersdijk, June 10; Borkum, June 11; Hanover, June 9; Hybert, June 12; Nishmaha, June 14; Toledo, June 10; Vasaholm, June 14

ABRASIVE—1 ton, Hanover, Kobe
ASPHALT—26 tons, Hybert, Havre; 22 tons, Vasaholm, Copenhagen
BLACK, CARBON—130 cs, Blommersdijk, London; 1,800 bgs, Borkum, Hamburg; 14 tons, Hybert, Antwerp; 2,240 bgs. Vasaholm, Gdynia
CATTLE HORNS—1 ton, Hanover, Osaka
CONCENTRATES—41 tons, Hybert, Rotterdam
PAINT—15 cs, Toledo, Oslo
SULPHUR—4,250 tons, Blommersdijk, Rotterdam; 1,100 tons, Hybert, Rotterdam; 1,000 tons, Nishmaha, Hull

Houston Exports
Clearance Dates

Adria, June 15; Borkum, June 11; Duivenrecht, June 9; Genevieve Lykes, June 14; Hanover, June 12; Hybert, June 14; Luculus, June 14; Malvina, June 10; Ruth, June 14; Toledo, June 10; Vasaholm, June 12; West Ekonk, June 11

ASPHALT PRODUCTS—133 pkgs, Hanover, Honolulu
BLACK, CARBON—(Toledo) 123 cs, Oslo; 25 cs, Copenhagen; 2,240 bgs, Gdynia; 172 cs, 58 bgs, West Ekonk, Genoa; (Borkum) 300 tons, Bremen; 100 tons, Hamburg; (Vasaholm) 50 cs, Gothenburg; 60 cs, Copenhagen; 146 cs, 2,545 bgs, Gdynia; (Hybert) 624 cs, 7,668 bgs, Havre; 150 cs, 1,620 bgs, Antwerp
CARBON BISULPHITE—8 dms, Genevieve Lykes, Havana
GASOLINE—8,500 tons, Duivendrecht, United Kingdom; 80,284 bbls, Luculus, Havre; 7,695 tons, Ruth, Kristiansand-Helsingfor-
GASOLINE (Continued):—
Halvorshavn-Oslofgord; 20 dms, Genevieve Lykes, Ciudad Trujillo
KEROSENE—275 tons, Ruth, Kristiansand-Helsingfor-Halvorshavn-Oslofgord
LUBRICANTS—20 tons, Genevieve Lykes, Puerto Colombia
OIL, LUBRICATING—251 dms, Toledo, Gothenburg; 700 bbls, Borkum, Hamburg
GAS—(Adria) 2,000 tons, Dunkirk; 5,000 tons, Rouen
PAINT, PREPARED — 81 tons, Genevieve Lykes, Havana
PETROLEUM, CRUDE—11,800 tons, Malvina, Montreal

Lake Charles Exports
Clearance Date

Eglantine, June 8

ROSIN—100 dms, Eglantine, London

Los Angeles Exports
Clearance Dates

Asama, June 7; Berganger, June 1; Canada, June 7; Golden Horn, June 5; Leme, June 7; Monterey, May 26; Oregon, June 7; President Cleveland, June 4; President Monroe, May 31; Santa Maria, June 9; Selma City, June 1; Skrim, June 5; Sunosaki, June 9; Thurland Castle, June 6

ACID, BENZOIC—30 lbs, Thurland Castle, Manila
BORIC—(Monterey) 65 bgs, 8,400 lbs, Melbourne; 2,138 bgs, 258,470 lbs, Sydney; (Golden Horn) 50 cs, 11,200 lbs, Tientsin; 300 bgs, 33,080 lbs, Dairen; (Oregon) 140 bgs, 15,440 lbs, Antwerp; 400 bgs, 44,800 lbs, Havre
ALUMINA SILICATE—10,000 lbs, Skrim, San Jose
BISMUTH, SUBNITRATE — 150 lbs, Thurland Castle, Manila
BORATE—5 bgs, 1,120 lbs, Monterey, Melbourne; 3,014 bgs, 581,850 lbs, Selma City, London; (Beranger) 4,020 bgs, 668,560 lbs, Antwerp; 1,540 sx, 302,290 lbs, Rotterdam; (Oregon) 3,760 bgs, 738,580 lbs, Dunkirk; 2,050 bgs, 261,230 lbs, Antwerp; 5,998 bgs, 1,102,030 lbs, Canada, Gdynia
BORAX—(Monterey) 730 bgs, 81,760 lbs, Melbourne; 2,212 bgs, 247,740 lbs, Sydney; (Golden Horn) 1,000 bgs, 112,000 lbs, Tientsin; 1,500 bgs, 155,380 lbs, Dairen; 2,400 bgs, 248,800 lbs, Thurland Castle, Shanghai; (Oregon) 2,799 bgs, 335,680 lbs, Antwerp; 7,700 bgs, 884,800 lbs, Havre; (Asama) 3,160 bgs, 356,000 lbs, Yokohama; 3,000 bgs, 338,920 lbs, Osaka
GRANULAR — 99 bgs, 11,090 lbs, Canada, Helsingfors
CLAY, GRD — 480 sx, 49,280 lbs, President Monroe, Bahrein
COTTON LINTERS—700 bls, 436,210 lbs, Oregon, Havre
GASOLINE—130 dms, 42,800 lbs, Skrim, Tegucigalpa
ETHYL—252 bbls, 65,770 lbs, Golden Horn, Yokohama
GLYCERIN—500 lbs, Thurland Castle, Manila
GREASE—10 cs, 540 lbs, Skrim, Tegucigalpa
INFUSORIAL EARTH—(Selma City) 665 bgs, 67,440 lbs, London; 110 bgs, 11,200 lbs, Liverpool; 672 bgs, 67,200 lbs, Avonmouth; (Leme) 538 bgs, 56,000 lbs, Marseilles; 1,076 bgs, 109,760 lbs, Casablanca; (Canada) 357 bgs, 35,620 lbs, Hull; 1,120 lbs, Tromso
INSECTICIDE, AGRIC—10,720 lbs, Leme, Alexandria
KEROSENE—(Skrim) 400 cs, 8,070 lbs, Leon; 350 cs, 29,750 cs, Puntarenas
MINERAL SPTS—6 dms, 2,270 lbs, Skrim, Puntarenas
MOLYBDENUM CONCE—90,950 lbs, Leme, Genoa
OIL, DIESEL—12,366 bbls, 3,858,190 lbs, Thurland Castle, Manila; 11,516 bbls, 3,592,990 lbs, Santa Maria, Vancouver; 58 dms, 22,780 lbs, Skrim, Puntarenas
FUEL—33,441 bbls, 11,135,850 lbs, Sunosaki, Yokosuka; 22,705 bbls, 7,560,770 lbs, Santa Maria, Vancouver
LEMON—1,140 lbs, Oregon, La Garenne
LUBRICATING—190 dms, 93,120 lbs, Monterey, Melbourne
ORANGE DIST—400 lbs, President Cleveland, Tokio
PEPPERMINT—660 lbs, Oregon, Havre
PECTIN, CITROUS — 3,000 lbs, Berganger, Rotterdam; (Canada) 4,500 lbs, London; 510 lbs, Copenhagen
PETROLATUM—1,150 lbs, Thurland Castle, Manila
POTASH AMYL XANTHATE—500 lbs, Skrim, Amapala
MURIATE—440,920 lbs, President Cleveland, Yokohama
PYRETHRUM EXTRACT—1,390 lbs, Leme, Alexandria
SCOURING COMP—100 lbs, Asama, Dairen
SODA, ASH—(Skrim) 10 sx, 2,000 lbs, San Juan del Sur; 40 pkgs, 9,500 lbs, Puntarenas; 2,500 pkgs, 551,150 lbs, Canada, Gothenburg
CARBONATE—500 lbs, Monterey, Sydney
HYDROXIDE—200 lbs, Skrim, Amapala
SULPHITE—2,000 lbs, Monterey, Sydney
STARCH CORN, POWD—150 lbs, Thurland Castle, Manila
SOLVENTS—10,610 lbs, Golden Horn, Osaka
TOILET PREPS—5,100 lbs, Berganger, Paris; 680 lbs, Skrim, Guatemala

Mobile Exports
Clearance Date

Neptuno, June 15

ROSIN, GUM—120 bbls, Neptuno, Havana

New Orleans Exports
Clearance Dates

Baja California, May 14; Blommersdijk, June 16; Cardonia, June 8; Contessa, May 25; Gansfjord, May 18; Hybert, June 17; Kota Pinang, June 4; Lindvangen, June 8; Lysefjord, May 12; Metapan, May 21; Port Antonio, May 5; Santa Marta, May 4, 14; Sinaloa, May 7; Sixaola, May 18; Syros, June 3; Tivives, May 7; Waunta, May 28

ASPHALT—35 tons, Cardonia, London; 245 dms, Lindvangen, Port au Prince; 60 dms, Sinaloa, Bluefields; 60 dms, Baja California, Bluefields
CRUDE—37 tons, Cardonia, London
BAKING POWDER—2 tons, Lysefjord, Belize; 150 ctns, Sixaola, Tela
BISMUTH METAL—22 tons, Cardonia, London; 22 tons, Blommersdijk, London
BLACK, CARBON—(Syros) 190 tons, Havre; 8 tons, Dunkirk; 41 tons, Cardonia, London; 3 cs, Lindvangen, La Guaira; 105 tons, Blommersdijk, London; (Kota Pinang) 6 cs, Penang; 3,720 sx, 5 cs, Batavia; 10 cs, Metapan, Valparaiso
BLUE VITRIOL—110 tons, Lysefjord, Tela
CALSOMINE—10 cs, Lindvangen, Willemstad
CALCIUM ARSENATE—2 tons, Tivives, Corinto
CARBIDE—100 dms, Contessa, Puerto Cabezas
CLAY—27 tons, Blommersdijk, London
ACTIVATED—135 tons, Syros, Havre
GROUND—27 tons, Cardonia, London
CLEANING COMP—6 cs, Kota Pinang, Singapore
CONCENTRATES, ORE—51 tons, Blommersdijk, London
COTTONSEED HULL SHAVING PULP—20 tons, Blommersdijk, Antwerp
MEAL—12 sx, Port Antonio, Puerto Castilla
FERTILIZER—20 sx, Gansfjord, Belize
FIRECLAY—10 dms, Santa Marta, Guayaquil; 14 tons, Metapan, Puerto Colombia; 46 tons, Lysefjord, Banes; (Tivives) 149 tons, Corinto; 25 tons, Cartagena; (Santa Marta) 5 tons, Cartagena; 2 tons, Puerto Colombia; 85 tons, Metapan, Havana
GASOLINE—(Waunta) 410 bbls, 405 dms, 125 cs, Puerto Cabezas; 200 dms, 300 bbls, Ceiba; (Port Antonio) 285 dms, 100 bbls, Puerto Barrios; 800 cs, 100 dms, 100 bbls, Puerto Cortez; 140 cs, Puerto Castilla; 30 dms, 50 cs, Sinaloa, Bluefields; (Lysefjord) 15 cs, Belize; 200 dms, 250 bbls, Puerto Barrios; (Gansfjord) 200 dms, Belize; 30 bbls, 300 cs, Puerto Barrios; 59 dms, 50 cs, Baja California, Bluefields
GLUCOSE—24 tons, Blommersdijk, London
GREASE, LUBRICATING—(Contessa) 4 cs, Puerto Cabezas; 3 dms, Ceiba; 6 qtr dms, 10 pls, Tivives, Panama; 5 dms, Santa Marta, Havana
INK—14 dms, Tivives, Havana
INSECTICIDE—40 dms, Lindvangen, Willemstad
KEROSENE—25 cs, Contessa, Puerto Cabezas; 250 cs, Lindvangen, Port au Prince; (Port Antonio) 50 cs, 200 ctns, Puerto Cortez; 630 cs, Puerto Castilla; 120 cs, Sinaloa, Bluefields; (Lysefjord) 100 dms, Kingston; 50 cs, Belize; 150 cs, Tivives, Puerto Limon; (Santa Marta) 50 dms, Puerto Barrios; 300 cs, Puerto Limon; 600 cs, Sixaola, Tela; 110 cs, 1 dm, Baja California, Bluefields; 75 cs, Metapan, Puerto Limon
LARD—5 crts, Contessa, Puerto Cabezas; (Lindvangen) 200 tins, 60 cs, Port au Prince; 65 crts, 10 cs, 9 ctns, Ciudad Trujillo; 100 tins, La Guaira; 250 dms, Port Antonio, Santiago; 50 dms, 50 crts, Lysefjord, Santiago; (Tivives) 1,080 dms, 1,475 tins, Havana; 100 crts, Buenaventura; (Santa Marta) 1,050 tins, 655 dms, Havana; 200 tins, Puerto Limon; (Gansfjord) 600 dms, Santiago; 5 cs, Kingston; (Metapan) 1,000 tins, 375 dms, Havana; 1,000 tins, Guayaquil
LEAD, RED—15 tons, Metapan, Cristobal
LIME—2,400 sks, Port Antonio, Santiago; 2 tons, Contessa, Balboa
OCHER—50 tons, Syros, Dunkirk
OIL, BLACK—25 dms, Lindvangen, Paramaribo
FUEL—1,006 bbls, Lindvangen, Moengo; 475 dms, Santa Marta, Puerto Barrios; (Port Antonio) 178 dms, Puerto Barrios; 10 dms, Puerto Cortez; (Sixaola) 400 dms, Puerto Barrios; 50 dms, Tela; 300 dms, Gansfjord, Belize; 130 dms, Baja California, Bluefields
GAS—50 dms, Gansfjord, Belize
LUBRICATING—(Syros) 48 tons, Havre; 14 tons, Antwerp; 20 dms, Contessa, Puerto Cabezas; 9 tons, Cardonia, London; 2 dms, Sinaloa, Bluefields; (Blommersdijk) 499 tons, London; 40 tons, Rotterdam; 14 tons, Amsterdam; 8 dms, Tivives, Panama; 20 dms, Sixaola, Tela; 9 dms, Kota Pinang, Sourabaya
REFINED—(Gansfjord) 2,400 dms, Belize; 400 cs, Puerto Barrios
PETROLEUM—24 tons, Syros, Dunkirk; 112 bbls, Hybert, Antwerp; 29 tons, Blommersdijk, Rotterdam
PINETAR—20 dms, Santa Marta, Havana; 100 dms, Kota Pinang, Batavia
PITCH—26 dms, Gansfjord, Belize
PRESERVER, WOOD—5 dms, Gansfjord, Belize
ROSIN—(Contessa) 86 bbls, Guayaquil; 220 dms, Talcahuano; 10 bbls, Lysefjord, Santiago; 50 dms, Tivives, Buenaventura; 5 bbls, 25 dms, Santa Marta, Havana; (Kota Pinang) 400 dms, Batavia; 30 dms, Padang; 20 dms, Sibolga; 10 dms, Tjilatjap; 10 dms, Tandjong Pandan; 150 dms, Cheribon; 20 dms, Semarang; 200 dms, Sourabaya; 75 bbls, Metapan, Callao
GUM—121 bbls, 34 dms, Tivives, Havana; 100 dms, Metapan, Buenaventura
WOOD—75 dms, Lindvangen, Willemstad; 15 dms, Tivives, Puerto Limon
SALT—5 tons, Port Antonio, Kingston; (Contessa) 25 tons, Havana; 4 tons, Puerto Cabezas; 5 tons, Ceiba; 60 sx, Lindvangen, Ciudad Trujillo; (Santa Marta) 5 tons, Port Antonio, Kingston; 2 tons, Puerto Cortez; 10 tons, Puerto Barrios; 25 tons, Havana; 6 tons, Sixaola, Tela; 1 ton, Baja California, Bluefields
SENEGA ROOT—1 ton, Cardonia, London
SOAP—50 ctns, Sinaloa, Bluefields; 200 ctns, Baja California, Bluefields
SODA, CAUSTIC—1 ton, Metapan, Cristobal
NITRATE—1 ton, Tivives, Cristobal
STARCH—27 tons, Cardonia, London
TRIPOLI, PULV—10 sx, Metapan, Havana
TURPENTINE, WOOD—60 cs, Lindvangen, Port au Prince; 10 dms, Tivives, Havana; 61 dms, Santa Marta, Havana; 6 dms, Kota Pinang, Singapore
WAX—(Santa Marta) 100 sx, Pacasmayo; 100 sx, Pisco; 200 sx, Salaverry
CRUDE—59 tons, Syros, Antwerp; 54 tons, Cardonia, London
MINERAL—(Syros) 7 tons, Havre; 43 tons, Antwerp; 41 tons, Cardonia, London

Norfolk Exports
Clearance Dates

City of Hamburg, June 11; Ensley City, June 19; Gorm, June 18

ACETONE, METHYL—80 dms, 34,885 lbs, City of Hamburg, London
BAYBERRY BARK—2 bgs, 180 lbs, City of Hamburg, London
BONE, SCRAP—815 bgs, 60,800 lbs, City of Hamburg, Hamburg
CARBON TETRACHLORIDE—55 dms, 40,017 lbs, City of Hamburg, London
CHERRY BARK—10 bgs, 1,101 lbs, City of Hamburg, London
ELM BARK—32 bgs, 5,121 lbs, City of Hamburg, London
MEDICINAL PREPS—43 pkgs, City of Hamburg, London
MICA, GRD—160 bgs, 16,000 lbs, City of Hamburg, Hamburg
PULVERIZED—40 bgs, 4,040 lbs, City of Hamburg, London
OIL, PEPPERMINT—15 dms, City of Hamburg, London
SPEARMINT—3 dms, City of Hamburg, London
STARCH—(Ensley City) 1,664 bgs, 232,960 lbs, Bombay; 500 bgs, 70,000 lbs, Calcutta; 18 bgs, 10,932 lbs, Gorm, Oslo
CORN—432 bgs, 60,480 lbs, Ensley City, Aden

Philadelphia Exports
Clearance Dates

Black Gull, June 16; Chincha, June 12; City of Evansville, June 12; Edam, June 15; Exermont, June 11; Exminster, June 14; Maridal, June 14; Maron, June 17; Polycarp, June 12; Quaker City, June 17; San Gabriel, June 17; San Rafael, June 18; Sandgate Castle, June 12; Scanpenn, June 15; Schodack, June 10; Silverteak, June 13; Swinburne, June 11; Sysla, June 17; Vaclite, June 11; Yomachichi, June 15; Zacapa, June 17

ACETONE—13 dms, Yomachichi, Sydney; 6 dms, Scanpenn, Copenhagen
ALCOHOL, BUTYL—(Yomachichi) 6 dms, Wellington; 37 dms, Sydney
ALUMINA SULPHATE—625 bgs, Silverteak, Shanghai
BLACK, BONE—45 bgs, 1 dm, Yomachichi, Sydney; (Scanpenn) 15 bgs, Gothenburg; 1 bg, Stockholm
BUTYL ACETATE—(Yomachichi) 114 dms, Sydney; 29 dms, Wellington
CEMENT, GASKET—50 ctns, Schodack, Havre
RUBBER—1 bx, Black Gull, Rotterdam
CHEMICALS—1 bx, Schodack, Havre
CLEANING COMP—2 cs, 5 ctns, San Rafael, Panama City; (Scanpenn) 3 bbls, 2 dms, 1 bx, Gothenburg; 10 dms, Copenhagen
COCOA CAKE—574 bgs, Black Gull, Amsterdam
WASTE—960 pkgs, Edam, Amsterdam; 3,171 bgs, Black Gull, Amsterdam
CORKWOOD—250 ctns, San Gabriel, Cristobal
COTTON LINTERS—26 bls, Black Gull, Antwerp
DIAMYLNAPHTHALENE—1 bx, Scanpenn, Helsingfors
ETHYL FLUID—(Exermont) 10 dms, Algiers; 5 dms, Tunis; 40 dms, Schodack, Havre; 20 dms, Black Gull, Strassburg
FUEL, MOTOR—(Schodack) 125 dms, Havre; 3 dms, St Nazaire; 58 dms, Bordeaux
GASOLINE—(Swinburne) 500 cs, Para; 1,000 cs, Maranhao; 3,000 cs, Ceara; 2,000 cs, Pernambuco; 3,000 cs, Natal; 1,200 cs, Maceio; 2,000 cs, Bahia; (Maridal) 23,714 bbls, Capetown; 14,286 bbls, East London; 34,924 bbls, Durban; (Sandgate Castle) 1,000 cs, Luderitz Bay; 2 dms, Capetown; 1,000 cs, Port Natal; 2,000 cs, Beira; (Sysla) 20,262 bbls, Rio de Janeiro; 7,642 bbls, Rio de Janeiro or Santos; 41,390 bbls, Santos
GLUE, LIQ—2 ctns, San Rafael, Panama City
GREASE, LUBRICATING—21 cs, 20 pls, Swinburne, Para; 5 pkgs, Edam, Amsterdam; 3 ctns, 2 dms, 1 pl, San Rafael, Panama City; 22 cs, Schodack, Havre; (Sandgate Castle) 25 cs, 100 bkts, 15 dms, Capetown; 20 dms, Port Elizabeth; 35 cs, 50 bkts, 18 dms, Port Natal; 10 cs, 10 bkts, 30 dms, Lourenco Marques; 5 cs, 20 bkts, Beira; (Black Gull) 5 cs. Rotterdam; 3 bbls, Antwerp; (Yomachichi) 25 pls, 5 bbls, 1 cs, Brisbane; 8 dms, 30 bbls, Sydney; 35 bbls, Melbourne; 5 bbls, Adelaide; (Scanpenn) 10 bbls, 33 dms, Gothenburg; 5 dms, Stockholm; (Quaker City) 1 dm, 1 kg, 2 pls, 15 cs, Manchester; 5 dms, Liverpool; 1 dm, Dublin; (Sysla) 40 dms, 4 bbls, Rio de Janeiro; 5 dms, 10 bbls, Santos; (San Gabriel) 2¼ dms, Pisco; 3 dms, Salaverry; 4 dms, Pereira; 2 dms, 2 cs, Cali; 8 dms, 19 cs, Pasto; 5 dms, Barranquilla; 1 cs, Bogota; 12 cs, 1 bx, Medellin; 78 dms, Guayaquil; 60 cs, Lima
INK, PRINTING—7 bxs, San Gabriel, Valparaiso
INSECTICIDE—115 pkgs, Edam, Rotterdam; 42 ctns, 12 dms, San Rafael, Panama City
KEROSENE—(Swinburne) 500 cs, Iquitos; 1,000 cs, Para; 1,500 cs, Maranhao; 1,500 cs, Ceara; 7,000 cs, Pernambuco; 2,000 cs, Natal; 2,000 cs, Maceio; 6,000 cs, Bahia; (Sysla) 4,871 bbls, Rio de Janeiro; 1,639 bbls, Santos
LICORICE MASS—(Black Gull) 50 cs, Rotterdam; 120 cs, Antwerp; 110 cs, Scanpenn, Copenhagen
POWDER—4 dms, Black Gull, Amsterdam
LINSEED CAKE—11,435 bgs, Black Gull, Rotterdam; (Quaker City) 1,281 bgs, Liverpool; 1,920 bgs, Dublin
MEAL—(Scanpenn) 1,015 bgs, Gothenburg; 640 bgs, Copenhagen
LOGWOOD EXTRACT—7 bbls, Yomachichi, Brisbane; 70 bbls, Quaker City, Glasgow
MANGANESE ORE, CONC—460 bgs, Scanpenn, Stockholm
MINERAL SPTS—100 cs, Swinburne, Para; (Sandgate Castle) 40 cs, Luderitz Bay; 100 bbls, Capetown; 10 bbls, Port Elizabeth; 30 bbls, 15 cs, East London; 200 bbls, 45 cs, Port Natal; 100 bbls, Lourenco Marques; 10 cs, Beira; 2 dms, San Gabriel, San Jose
OIL, FUEL—100 dms, Sandgate Castle, Beira
ILLUMINATING—(Maridal) 2,857 bbls, East London; 3,840 bbls, Durban; 488 bbls, Vaclite, Birkenhead and or London; (Sandgate Castle) 2,350 cs, Luderitz Bay; 500 cs, Capetown; 300 cs, Port Elizabeth; 500 cs, East London; 2,700 cs, Port Natal; 500 cs, Beira
LUBRICATING — 1,875 pkgs, Silverteak, Shanghai; (Swinburne) 116 cs, 26 dms, Para; 5 dms, 2 cs, Maranhao; 30 dms, Pernambuco; 20 dms, 10 ctns, 5 cs, Natal; 7 dms, 8 cs, 35 pkgs, Maceio; 223 pkgs, Ceara; (Exermont) 10 dms, 54 bbls, Tangier; 18 pkgs, 15 dms, Oran; 29 dms, Algiers; (Vaclite) 32,465 bbls, Birkenhead and or London; 3,504 bbls, Bremen; (Edam) 1,358 bbls, 33 pkgs, Rotterdam; 6 pkgs, Amsterdam; (San Rafael) 67 ctns, Panama City; 1 cs, Valparaiso; 6 bbls, Puerto Colombia; 4 dms, Callao; 30 dms, Guayaquil; (Schodack) 388 bbls, 155 ctns, Havre; 144 bbls, St Nazaire; 229 bbls, Bordeaux; (Sandgate Castle) 30 dms, 50 cs, Luderitz Bay; 565 dms, 10 cs, 1,523 pkgs, Capetown; 145 cs, 190 dms, 1,155 pkgs, Port Elizabeth; 160 cs, 230 dms, 1,747 pkgs, East London; 203 dms, 160 cs, 2,140 pkgs, Port Natal; 380 dms, 250 cs, 5,927 pkgs, Lourenco Marques; 125 dms, 205 pkgs, Beira; (Black Gull) 2,024 bbls, 85 dms, 10 pkgs, Antwerp; 2 pkgs, Basel; (Exminster) 470 pkgs, Salonica; 198 pkgs, Piraeus; 2,213 pkgs, Istanbul; (Yomachichi) 34 dms, Sydney; 45 bbls, 15 dms, Melbourne; 120 dms, 2,012 pkgs, Adelaide; (Polycarp) 50 dms, Ceara; 5 pkgs, Pernambuco; 93 pkgs, Maceio; (Scanpenn) 24 dms, Gothenburg; 334 bbls, 40 dms, 50 cs, Copenhagen; 19 dms, Stockholm; 10 dms, Helsingfors; (City of Evansville) 200 dms, 153 cs, Iloilo; 136 dms, 375 cs, Cebu; 1,475 dms, 1,060 cs, Manila; 640 dms, 50 cs, Hongkong; 35 dms, 1,206 cs, Shanghai; (Quaker City) 11 dms, Manchester; 6 pls, 56 bbls, Liverpool; 2,125 pkgs, Maron, Shanghai; (Sysla) 1,028 dms, Rio de Janeiro; 475 dms, Santos; (San Gabriel) 15 dms, Paita; 14 dms, 1 dm, Pisco; 2 dms, Salaverry; 13 dms, Pereira; 30 dms, 6 cs, Cali; 20 dms, 6 cs, Pasto; 42 dms, Barranquilla; 5 dms, Guayaquil; 65 dms, 30 dms, Callao; 6 dms, San Jose
TRANSFORMER—5 dms, Swinburne, Maceio
PAINT—50 ctns, Schodack, Havre; 1 bx, Black Gull, Rotterdam
PARAFFIN—130,820 lbs, Vaclite, Birkenhead and or London; 180 bbls, City of Evansville, Manila; (Quaker City) 168 bbls, Manchester; 210 bbls, Glasgow
REFINED—51 bgs, Sandgate Castle, Capetown; 10 bgs, Black Gull, Antwerp; 602 pkgs, Exminster, Piraeus; 204 bgs, City of

OIL, PARAFFIN, REF'D (Continued):—
Evansville, Tientsin; 1 bx, Maron, Shanghai
SCALE—423 bbls, Quaker City, Manchester
POLISH, AUTO—8 ctns, San Rafael, Panama City
FURNITURE—22 ctns, San Rafael, Panama City
METAL—18 ctns, San Rafael, Panama City
RESIN, COALTAR—15 dms, Schodack, Havre; 4 dms, Black Gull, Rotterdam
RUBBER COMPOUNDING AGENT—2 bxs, 2 dms, Yomachichi, Brisbane
SAND, FILTER—100 bgs, Yomachichi, Brisbane
IRON—87 bgs, Scanpenn, Stockholm
SODA ASH—6 dms, Scanpenn, Gothenburg
CYANIDE—3 bxs, 2 dms, Scanpenn, Gothenburg
PHOSPHATE, TRI—407 bgs, Quaker City, Manchester
TANNING EXTRACT—30 bbls, City of Evansville, Manila
MATERIALS—2 kgs, San Rafael, Quealtenago; (Black Gull) 5 bbls, Rotterdam; 10 bbls, Antwerp; 21 bbls, Yomachich, Sydney
TURPENTINE SUBSTITUTE—50 cs, Swinburne, Maranhao
ZINC PIGMENT—500 cs, San Gabriel, Cristobal

Port Arthur Exports
Clearance Dates

Colorado, June 12; Ensley City, June 5; Lunula, June 6; Strinda, June 9; Toledo, June 6; West Ekonk, June 10

ASPHALT—10 cs, Ensley City, Madras; (Toledo) 4 dms, Oslo; 13 dms, Gothenburg; 50 dms, Stockholm
PETROLEUM—(Ensley City) 500 dms, Karachi; 615 dms, Colombo; 49 dms, 20 cs, Madras
CLEANING SOLVENT—10 cs, Ensley City, Karachi
GASOLINE—(Ensley City) 1,800 cs, 500 dms, Djibouti; 32,406 bbls, Lunula, Liverpool
GREASE, LUBRICATING—(Ensley City) 30 dms, 55 cs, Karachi; 45 dms, Bombay; 130 dms, 10 cs, Colombo; 148 dms, 184 cs, Madras; (Toledo) 10 pls, 96 dms, 1,113 cs, Oslo; 1 dm, Gothenburg; 100 dms, Stockholm; 2 cs, Malmo; (West Ekonk) 99 bbls, Genoa; 5 cs, Naples; 3 cs, Venice
KEROSENE—(Ensley City) 700 cs, Djibouti; 6,222 bbls, Lunula, Liverpool
OIL, DIESEL—50 dms, Ensley City, Djibouti; 7,201 bbls, Lunula, Liverpool
LUBRICATING—(Ensley City) 120 cs, 35 dms, Karachi; 815 dms, 55 cs, Bombay; 360 dms, 21 cs, Colombo; 157 cs, 1,787 dms, Madras; (Toledo) 90 dms, Oslo; 2 cs, Gothenburg; 780 dms, 200 cs, Stockholm; 100 dms, Malmo; (West Ekonk) 1,300 bbls, 120 half bbls, 60 dms, Genoa; 110 bbls, 20 half bbls, Naples; 85 bbls, 15 half bbls, Venice
PAINT SOLVENT—50 dms, Ensley City, Bombay
PETROLEUM—44,287 bbls, Colorado, Naples
CRUDE—119,135 bbls, Strinda, Montreal
POLISH, AUTO—10 cs, Ensley City, Karachi
WAX—20 cs, Toledo, Oslo; (West Ekonk) 10 bbls, Genoa; 8 half bbls, 1,676 bgs, Naples; 10 cs, Venice

San Francisco Exports
Clearance Dates

Admiral Halstead, June 5; Antigua, June 11; Asama, June 9; Besholt, June 10; Canada, June 5; John Knudsen, June 9; Loch Katrine, June 9; Molokai, June 10; Montebello, June 8; Norfolk, June 9; Oregon, June 5; Pacific Pioneer, June 10; President Monroe, June 5; Rosebank, June 11; San Ramon, June 7; Santa Elena, June 10; West Camargo, June 8

ABRASIVE PAPER—1 cs, Asama, Shanghai
ACETONE—133 dms, Loch Katrine, England
ACETOCHLORAMIDE—2 cs, President Monroe,
ACID, BORIC—200 sks, Asama, Tientsin
MURIATIC—1 crby, Santa Elena, Mazatlan
NITRIC—1 crby, Santa Elena, Mazatlan
PHOSPHORIC—1 crby, Rosebank, Vancouver
SULPHURIC—45 crbys, Admiral Halstead, Manila; 3 crbys, Santa Elena, Mazatlan
TARTARIC — 2 pkgs, President Monroe, Manila
ALCOHOL—1 pl, Loch Katrine, Holland
ALUMINA SULPHATE—400 sks, Rosebank, Powell River
AMMONIA, ANHYDROUS—(President Monroe) 30 cyls, Singapore; 49 cyls, Shanghai
SULPHATE—10,161 sks, Admiral Halstead, Iloilo
APRICOT KERNELS—(Loch Katrine) 50 sks, Holland; 100 sks, Netherlands
ASPHALT—703 bbls, President Monroe, Singapore; 2,771 dms, Admiral Halstead, Manila
EMULSION—100 dms, Antigua, Balboa
GRITS—406 sks, President Monroe, Osaka; 61 sks, Canada, Malmo; 544 sks, Oregon, France; 26 sks, Loch Katrine, Netherlands; (Pacific Pioneer) 120 dms, Manchester; 30 sks, Liverpool
BIOLOGICALS—1 cs, Rosebank, Regina
BLACK, CARBON—10 cs, President Monroe, Tientsin; 208 sks, Rosebank, Vancouver
BLUE VITRIOL—1 cs, Molokai, Topolobampo
CAMPHOR, REFD—5 cs, Santa Elena, Mazatlan
CARBON BISULPHIDE—20 dms, Norfolk, Mexico; (Molokai) 20 dms, Manzanillo; 3 dms, Guaymas; 100 dms, Topolobampo
CEMENT, CAN—1 dm, Rosebank, Victoria
ROOF—2 dms, 1 cs, Admiral Halstead, Iloilo; 20 pls, Santa Elena, Bogota
CINNAMON—20 bls, Norfolk, Peru; 4 bls, Santa Elena, La Libertad
CLEANING COMP—2 dms, Rosebank, Vancouver
COALTAR—18 dms, Santa Elena, La Libertad
COCOA BEANS—(Asama) 200 sks, Yokohama; 14 sks, Kobe; 2 sks, Santa Elena, Mazatlan
COLOR, DRY—11 bls, President Monroe, Manila; (Santa Elena) 1 cs, Guayaquil; 5 cs, 3 kgs, San Jose de Guatemala
CORK FLOATS—40 bls, Rosebank, Vancouver
CREAM TARTAR—6 kgs, President Monroe, Manila
CREOSOTE—1 dm, Molokai, Topolobampo
DENTIFRICE—20 cs, President Monroe, Penang; 24 cs, Santa Elena, La Libertad
DRESSING, SHOE—1 cs, President Monroe, Tientsin
EMBALMING FLUID—2 cs, President Monroe, Shanghai
ENAMEL—17 pls, Santa Elena, Mazatlan
FILLER, WOOD—3 cs, President Monroe, Manila
GASOLINE—200 dms, Admiral Halstead, Manila; 50 cs, Molokai, Los Mochis
AVIATION—20 dms, Loch Katrine, France
GLASS, WINDOW—7 cs, Santa Elena, Puerto Colombia
GLUE—1 bbl, President Monroe, Saudi
GREASE, LUBRIC—(President Monroe) 51 bbls, 20 cs, Singapore; 1 dm, Shanghai; 9 dms, Manila; 19 qtr dms, 9 hlf dms, 60 cs, Norfolk, Colombia; 2 dms, 2 cs, Santa Elena, Mazatlan; 15 dms, 10 pls, 22 cs, Molokai, Topolobampo; (Rosebank) 45 dms, 165 pls, 180 cs, Shellburn; 4 dms, 1 hlf dm, 2 kgs, 4 pls, 12 cs, Vancouver; 10 pls, Antigua, Puerto Armuelles
INK, INDIA—1 pkg, President Monroe, Hiogoken
PRINTING—(President Monroe) 1 pl, 1 cs, 8 dms, Shanghai; 2 cs, Bombay; (Rosebank) 6 dms, Victoria; 2 dms, Nelson; 1 kit, Vancouver
WRITING—84 cs, President Monroe, Penang
INSECTICIDE—5 pls, President Monroe, Singapore
AGRIC—50 cs, Norfolk, Colombia
LIQUID—30 cs, President Monroe, Bahrein; 10 cs, Santa Elena, San Jose de Guatemala; 6 dms, Rosebank, Vancouver
KAPOK SEED—15 sks, Norfolk, Mexico
KEROSENE—200 cs, Admiral Halstead, Manila; 1,000 cs, Antigua, Panama
LACQUER—(Santa Elena) 1 cs, 1 dm, La Libertad; 1 cs, Guayaquil; 1 cs, San Jose de Guatemala
THINNER—(Santa Elena) 1 dm, La Libertad; 2 dms, San Jose de Guatemala
LANOLINE—1 dm, Santa Elena, Culican
LEAD, ARSENATE—20 cs, Oregon, Portugal
METALLIC PASTE—2 pls, Pacific Pioneer, London
RED—151 pkgs, Admiral Halstead, Cebu
RED, DRY—10 kgs, Santa Elena, La Libertad
1 kg, President Monroe, Macao
WHITE—50 kgs, President Monroe, Manila
1 kg, President Monroe, Macao
200 kgs, Admiral Halstead, Cebu
LINSEED CAKE—8,000 sks, Loch Katrine, England
LITHARGE—20 bbls, President Monroe, Manila; 2 kgs, Santa Elena, Mazatlan
DRY—23 dms, President Monroe, Manila
MAGNESIA CARBONATE—5 bbls, Rosebank, Vancouver
MEDICINAL PREPS, VETERINARY—39 cs, Rosebank, Vancouver
METHYL CHLORIDE GAS—2 cyls, President Monroe, Colombo
MILK POWDER—3 bbls, President Monroe, Shanghai; 55 cs, 1 bbl, West Camargo, Ciudad Bolivar; 4 cs, Antigua, La Guaira
MINERAL SPTS—5 cs, Norfolk, Costa Rica
OIL, CASTOR—4 dms, President Monroe, Singapore
COCONUT—(Santa Elena) 5 dms, San Jose de Guatemala; 2 dms, Pimentel
COTTONSEED—6 dms, Rosebank, Vancouver
CRUDE—80,400 bbls, San Ramon, Japan; 77,000 bbls, Montebello, Shellburn
CYLINDER—2 dms, President Monroe, Singapore
DIESEL—63,144 bbls, John Knudsen, Osaka; 4,142 bbls, Besholt, Yokohama; 2 cs, Santa Elena, La Libertad; 497 bbls, Antigua, Puerto Armuelles
FISH, HARD—50 sks, Norfolk, Peru; 100 sks, Santa Elena, San Jose de Guatemala
FUEL—24,980 bbls, John Knudsen, Osaka
LINSEED—3 cs, President Monroe, Macao
LINSEED, BOILED—1 dm, President Monroe, Bahrein
LUBRICATING—(President Monroe) 118 dms, Singapore; 230 dms, Hongkong; 15 dms, Shanghai; 250 dms, Bombay; 30 dms, Penang; 95 dms, Oregon, France; (Asama) 55 dms, Kobe; 1 cs, Shanghai; (Norfolk) 5 dms, Costa Rica; 50 bbls, Ecuador; 70 bbls, 61 qtr bbls, Colombia; (Loch Katrine) 20 dms, 5 cs, England; 1 cs, Holland; (Santa Elena) 3 dms, La Libertad; 15 dms, 10 cs, Guatemala City; 47 dms, 18 cs, Mazatlan; (Molokai) 127 dms, 100 qtr dms, 452 cs, 580 pls, Los Mochis; 180 cs, 97 dms, Topolobampo; (Rosebank) 40 dms, Shellburn; 66 dms, 3 pls, 2 cs, 1 hlf dm, Vancouver; 4 dms, Antigua, Puerto Armuelles
NEATSFOOT—1 cs, President Monroe, Al Khobar
OXYGEN—10 cyls, Antigua, Puerto Armuelles
PAINT—(President Monroe) 25 pls, 34 cs, Madras; 57 cs, 4 pls, Colombo; 42 cs, 3 dms, Singapore; 15 cs, Macao; 15 kgs, Manila; 25 cs, Admiral Halstead, Cebu; (Santa Elena) 10 cs, La Libertad; 1 cs, Guayaquil; 84 cs, 13 kgs, San Jose de Guatemala; 12 pls, 10 cs, Bogota; 3 pls Mazatlan
COLDWATER—52 bbls, Santa Elena, Caracas
MARINE—1 dm, Santa Elena, Salaverry
PREPARED—5 cs, President Monroe, Al Khobar; 1 cs, Norfolk, Costa Rica
THINNER—2 dms, Santa Elena, La Libertad
PARAFFIN—365 sks, Norfolk, Peru
PASTE, ADHES—(President Monroe) 1 crtn, Hongkong; 7 bbls, Singapore; 1 tin, Rosebank, Vancouver
PEPPER, BLACK—8 sks, Santa Elena, Guayaquil; 1 sk, Molokai, Guaymas
PETROLEUM—102 bbls, Loch Katrine, Netherlands
PRODUCTS—2 cs, Rosebank, Vancouver
PITCH—4 bbls, Santa Elena, Mazatlan
PLUMBAGO—1 bbl, Rosebank, Vancouver
POLISH, FURNITURE—50 cs, Rosebank, Shellburn
METAL—6 cs, Rosebank, Vancouver
SHOE—29 cs, President Monroe, Manila
POTASH-AMYL XANTHATE—2 dms, Oregon, Portugal
ETHYL XANTHATE—5 dms, Antigua, Oruro
XANTHATE—5 dms, President Monroe, Manila
PUTTY—6 cs, President Monroe, Bahrein; 2 cs, Santa Elena, Puerto Colombia
ROSIN—10 bbls, Santa Elena, La Libertad
SAGO—5 sks, Santa Elena, Mazatlan
SALT—80 sks, President Monroe, Manila; 495 tons, Rosebank, Vancouver
SARDINE MEAL—700 sks, Admiral Halstead, Manila
SOAP, FLAKE—2 cs, Santa Elena, San Jose de Guatemala
HAND—24 cs, Antigua, Balboa
LAUNDRY—3 cs, President Monroe, Bahrein
LIQUID—1 dm, President Monroe, Hongkong
SCOURING—7 cs, President Monroe, Bahrein; 3 cs, Norfolk, Nicaragua
TOILET—(President Monroe) 3 cs, Bahrein; 988 cs, Manila; 1 cs, Santa Elena, San Jose de Guatemala
SODA—(President Monroe) 30 cs, Shanghai; 12 cs, Bangkok
CAUSTIC—(Santa Elena) 10 dms, La Libertad; 1 dm, Culican; 30 dms, Guaymas
ETHYL XANTHATE—8 dms, President Monroe, Manila; 1 dm, Oregon, Portugal
SOLDER SALTS—1 cs, President Monroe, Bombay
SOLVENTS—224 dms, Loch Katrine, Holland; 125 dms, Rosebank, Shellburn
DRAIN-PIPE—1 cs, President Monroe, Bahrein
SOYBEAN MEAL—4,780 sks, Oregon, Holland
STOP-LEAK PREP—3 cs, Santa Elena, San Jose de Guatemala
STRYCHNINE SULPHATE—1 cs, President Monroe, Singapore
SULPHUR—20 bbls, President Monroe, Singapore; 14 sks, Santa Elena, San Jose de Guatemala
TALC—120 sks, Santa Elena, Culican; 40 sks, Rosebank, Vancouver
TALLOW—15 dms, Santa Elena, San Jose de Guatemala
TOILET PREPS—(President Monroe) 4,187 pkgs, Manila; 20 cs, Hongkong; 4 cs, Bombay; 3 cs, Santa Elena, La Libertad; 1 cs, Oregon, Dutch West Indies
TURPENTINE—1 cs, President Monroe, Macao
VARNISH—10 cs, President Monroe, Hongkong; 8 cs, Santa Elena, San Jose de Guatemala
WHITEWASH—1 sk, Santa Elena, San Jose de Guatemala
ZINC DUST—25 dms, Santa Elena, Mazatlan

Savannah Exports
Clearance Dates

Kota Pinang, June 12; Monrosa, June 9; Saccarappa, June 14; Uloa, June 16

CLAY—2,069 tons, Ulva, Three Rivers
COTTON LINTERS—925 lbs, Saccarappa, Rotterdam
FERTILIZER—(Kota Pinang) 200 bgs, Port Swettenham; 100 bgs, Singapore
OIL, PINE—65 dms, Monrosa, Algiers; 52 dms, Saccarappa, Rotterdam
ROSIN, GUM—98 bbls, Monrosa, Algiers; (Saccarappa) 500 bbls, Antwerp; 317 bbls, Rotterdam; (Kota Pinang) 18 bbls, Bangkok; 10 dms, 350 bbls, Batavia; 40 bbls, Padang; 326 bbls, Cheribon; 10 dms, 1,650 bbls, Semarang; 10 dms, 200 bbls, Soerabaya
SIZE, DRY—160 bgs, Saccarappa, Antwerp
WOOD—(Kota Pinang) 20 dms, Sibolga; 20 dms, Olehleh
TURPENTINE, GUM—(Saccarappa) 105 bbls, Antwerp; 825 bbls, Rotterdam

Tampa Exports
Clearance Date

Laguna, June 10

GASOLINE—4 bbls, Laguna, Belize

Coastwise Shipments

Corpus Christi Coast Trade

PETROLEUM, CRUDE—78,509 bbls, Swiftlight, Port Arthur; 55,099 bbls, Beta, Texas City; 43,725 bbls, Dannedalke, Texas City; 30,278 bbls, Federal, Houston; 49,711 bbls, Thermo, Texas City; 149,077 bbls, John D Archbald, Baytown; 112,014 bbls, E M Clark, Baytown; 72,603 bbls, Acme, Paulsboro; 73,724 bbls, W W Mills, Smiths Bluff; 111,368 bbls, Walter Jennings, Baytown; 139,699 bbls, Charles G Black, Baytown; 73,015 bbls, Cities Service Oklahoma, Baytown; 114,004 bbls, E T Bedford, Baytown; 77,101 bbls, Malacca, Baytown; 145,897 bbls, W S Farish, Baytown

New Orleans Coast Trade

GUM, COPAL—20 baskets, Clara, Houston
SULPHUR—(Wildwood) 4,500 tons, San Pedro; 3,000 tons, Everett; 1,200 tons, W R Keever, Longview

San Francisco Coast Trade

ACID, BORIC—17 tons, Lillian Luckenbach, New York
ALCOHOL—11 tons, Charles L Wheeler, Jr, Portland, Ore
ALUMINA SULPHATE—500 sks, Charles L Wheeler, Jr, Portland, Ore
APRICOT KERNELS—10 tons, Nebraskan, New York
BORAX—14 tons, Charles L. Wheeler, Jr, Portland, Ore
CEMENT, PIPE—40 cs, Kansan, Seattle
CHILLIES—30 sks, Jacob Luckenbach, Houston
CHLORINE BLEACH, LIQ—1,200 cs, Ernest H Meyer, Portland, Ore
CLAY, CAKE—23 tons, Kentuckian, New York
COCONUT, DESIC—524 cs, Lillian Luckenbach, Philadelphia
200 cs, Nebraskan, Norfolk
COLOR, EARTH—21 tons, Nebraskan, New York
COPRA MEAL—30 tons, Celilo, Los Angeles
CRACKLINGS — 500 sks, Ernest H Meyer, Portland, Ore
CREAM TARTAR—14 tons, Virginia, New York
EPSOM SALT—44 tons, Celilo, Los Angeles
FUNGICIDE, AGRIC — 10 tons, Nebraskan, Philadelphia
GLUE—41 tons, Nebraskan, New York
14 tons, Nebraskan, Norfolk
GRAPHITE—14 tons, Jacob Luckenbach, New Orleans
GREASE—2 tons, Nebraskan, Philadelphia
GUM, COPAL—250 cs, Virginia, New York
HONEY—18 tons, Kentuckian, New York
LIME—1,200 sks, Charles L Wheeler, Jr, Portland, Ore
500 sks, Ernest H Meyer, Portland, Ore
MAGNESITE—139 tons, Lillian Luckenbach, New York
MAGNESIA OXIDE—4 tons, Kentuckian, Port Newark
MILK, POWD—16 tons, Lillian Luckenbach, New York
4 tons, Jacob Luckenbach, Mobile
25 tons, Nebraskan, Boston
SUGAR—59 tons, Nebraskan, Philadelphia
OIL—3 dms, 16 cs, Kansan, Seattle
LUBRICATING — 41 tons, Virginia, New York
150 tons, Celilo, Los Angeles
2 tons, Nebraskan, New York
MUSTARD SEED—149 dms, Lillian Luckenbach, New York
PERILLA—2 dms, Jacob Luckenbach, New Orleans
OLEOMARGARIN — 4,220 pkgs, Ernest H Meyer, Portland, Ore
PAINT—15 tons, Celilo, Los Angeles
850 pkgs, Silverado, Seattle
PETROLEUM PRODUCTS—720 pkgs, Silverado, Point Wells
POTASH ETHYL XANTHATE—49 tons, Lillian Luckenbach, New York
PRUNE CONCENTRATE—6 tons, Kentuckian, Port Newark
QUICKSILVER — 6 tons, Nebraskan, New York
2 tons, Kentuckian, New York
SALT—900 sks, Charles L Wheeler, Jr, Portland, Ore
1,700 sks, Point San Pablo, Seattle
1,700 sks, Point San Pablo, Tacoma
320 sks, West Ira, Seattle
60 tons, Coast Banker, Seattle
600 sks, Coast Trader, Portland, Ore
2,200 sks, Ernest H Meyer, Portland, Ore
720 pkgs, Silverado, Seattle
SOAP—880 pkgs, Point San Pablo, Seattle
SODA, CHLORATE — 500 dms, Charles L Wheeler, Portland, Ore
SILICATE—19 tons, Celilo, Los Angeles
SPRAY, TREE—100 dms, Charles L Wheeler, Jr, Portland, Ore
125 dms, West Ira, Seattle
120 dms, Ernest H Meyer, Portland, Ore
925 dms, 585 cs, Silverado, Seattle
TAPIOCA FLOUR—365 sks, West Ira, Seattle
150 sks, West Ira, Tacoma
365 sks, Silverado, Seattle
150 sks, Silverado, Tacoma
TOILET PREPS—1 cs, Arizonan, Portland, Ore
WAX—3 cs, Arizonan, Portland, Ore

Cargo Ship Arrivals
June 19 to July 2
New York

Aakre	Tocopilla*	June 24
Agwistar	Vera Cruz*	June 26
Almena	Puerto Plata*	June 22
Amagisan	Singapore*	June 24
Amapala	La Ceiba	June 24
American Farmer	London	June 28
American Importer	Liverpool*	June 28
American Merchant	London	June 20
Ancon	Cristobal*	June 21
Angelina	San Juan	June 27
Antofagasta	Valparaiso*	June 23
Aquitania	Southampton*	June 29
Atlantida	La Ceiba	July 1
Banaderas	London*	July 1
Basil	Bahia*	July 2
Beemsterdijk	Rotterdam	July 1
Belvedere	Trieste*	June 30
Bergensfjord	Oslo*	June 29
Black Heron	Antwerp*	June 20
Black Osprey	Antwerp*	June 20
Black Tern	Rotterdam*	June 26
Bordeaux	Kobe*	June 27
Borinquen	Trujillo*	June 21
Bremen	Bremen*	June 28
British Prince	Vancouver*	June 20
Cadmus	Baracoa	June 22
California	Glasgow*	June 27
Calmar	Portland*	June 28
Caracas	Curacao*	June 21
Charles E McCormick	Tacoma*	June 28
Chastine Maersk	Manila*	June 24
Chelyuskinets	Odessa*	June 23
Cingalese Prince	Batavia*	June 25
City of Elwood	Manila*	June 20
City of Fairbury	Copenhagen*	June 24
City of Flint	Liverpool*	June 27
Coamo	Trujillo*	June 28
Collamer	Bordeaux	June 23
Colombia	Cristobal*	June 21
Columbus	Bremen*	June 25
Conti di Savoia	Genoa*	July 1
De Grasse	Havre*	June 30
Egba	Freetown*	June 29
Emilia	San Juan	June 21
Examiner	Genoa*	June 28
Excalibur	Beirut*	June 23
Exhibitor	Salonica*	June 29
Falcon	Curacao*	June 26
Fernbank	Manila*	June 20
Flora	Curacao*	June 28
Floridian	Seattle*	June 29
Fort Amherst	St Pierre*	June 24
Fort Townshend	St Pierre*	July 1
Foylebank	Shanghai*	June 20
Framlington Court	Vancouver*	June 30
Goslar	Brisbane*	July 1
Gripsholm	Gothenburg	June 30
Guayaquil	Port au Prince*	June 28
Haiti	Cristobal*	June 26
Hamburg	Hamburg*	June 28
Hanley	Olympia*	June 25
Henri Jaspar	Antwerp	June 30
Heimgar	Progreso*	June 29
Henry D Whiton	Aberdeen*	June 22
Horace Luckenbach	Portland*	June 30
Ingrid	Trinidad*	July 1
Ivar	Sikea*	July 1
Jean Jadot	Antwerp	June 20
Jeff Davis	Adelaide*	June 21
Karpfanger	Hernosand*	June 26
Kentuckian	Astoria*	June 22
Kiyokawa	Yokohama*	June 25
Kuyosumi	Manila*	June 19
Konigstein	Antwerp	July 1
Kungsholm	Gothenburg	June 29
Laconia	Liverpool*	June 28
Lafayette	Havre*	June 27
Laura	Trieste*	June 26
Lewis Luckenbach	Seattle*	June 25
Liberty Glo	Olympia*	June 21
Lillian Luckenbach	Seattle*	June 21
Marklor	Calcutta*	July 1
Mauna Loa	Honolulu*	June 23
Medea	Puerto Cabello	June 21
Minden	Rosario*	June 21
Montanan	Bellingham*	June 20
Munargo	Havana*	June 24
Musa	Puerto Barrios*	June 24
Nako	Hongkong*	June 26
Nebraskan	Seattle*	June 29
Nellie	Port Alberni*	June 19
Nevadan	Seattle*	July 1
New York	Hamburg*	June 25
Normandie	Havre*	June 28
Northern Prince	Buenos Aires*	June 23
Oranje Nassau	Curacao*	June 28
Oriente	Havana	June 25
Orizaba	Vera Cruz*	June 22
Otho	Kribi*	June 25
Penrith Castle	Manila*	June 22
Peten	Port Limon*	June 20
Phemius	Batavia*	June 24
Pipestone County	Havre	July 2
Platano	Puerto Barrios*	July 1
Porta	Rosario*	June 26
President Lincoln	Manila*	June 29
President Pierce	Manila*	June 29
Rex	Genoa*	June 24
Robin Gray	Mombasa*	June 30
Sagaporack	Gothenburg*	July 2
San Angelo	Astoria*	June 21
San Anselmo	Port Angeles*	July 1
San Jacinto	San Juan	June 22
San Juan	San Juan	June 29
Santa Clara	Valparaiso*	June 29
Santa Elena	San Francisco*	June 29
Santa Inez	Valparaiso*	June 22
Sardinian Prince	Port Spain	June 24
Scanstates	Gothenburg*	June 29
Seatrain Havana	New Orleans*	June 22
Seatrain New York	New Orleans*	June 29
Siboney	Vera Cruz*	June 29
Sidney M Hauptman	Astoria*	June 26
Southern Prince	Buenos Aires*	June 30
Spencer Kellogg	Manila*	June 25
Spind	London	June 19
Statendam	Rotterdam*	June 27
Steel Engineer	Honolulu*	June 21
Steel Maker	Honolulu	June 28
Tai Ping	Manila*	July 2
Tampa	Calcutta*	June 19
Toloa	Santa Marta*	June 30
Tugela	Buenos Aires	June 26
Ulua	Santa Marta*	June 23
Urbino	Colombo*	June 19
Uruguayo	Buenos Aires*	July 2
Veragua	Port Limon*	June 27
Virginia	San Francisco*	June 21
Volunteer	Moji*	June 22
Voroshilov	Leningrad	June 30
Wanja	Sundsvall*	June 23
Washington	Everett*	June 24
Washington	Hamburg*	June 26
West Calumb	Buenos Aires*	July 1
West Point	Pernambuco*	June 19
Wichita	Adelaide*	June 21

* And other ports

Recent Charters

MANGANESE ORE—6,500 tons, S S ——, Calcutta to Barrow, 36s; June-July
ORE—2,800 tons, S S ——, Setubal to Rouen, 11s 6d; June
2,600 tons, S S ——, Setubal to Ceu, 11s 3d; June

PETROLEUM — 6,500 tons, S S Storanger, dirty, Gulf to Fort de Bouc, free lighterage, 37s; July
—— tons, S S Constant, fuel oil, Gulf to North Hatteras, 60c; July
10,800 tons, S S S M Spaulding, clean, Gulf to North of Hatteras, 51c; June
5,500 tons, S S Nordanger, dirty, California to Japan, 30s; July
63,000 bbls, S S Edward L Doheny, clean, Gulf to North Hatteras, 57c; July
PHOSPHATE—3,100 tons, S S ——, Sfax to Dundee, 15s; June
5,000 tons, S S ——, Sfax to Ipswitch, 13s 7½d; June

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended June 23

Almond oil, sweet, 10 barrels; not U.S.P.
Anise, 128 bags; filthy.
Cassia Oil, 20 drums; not U.S.P.
Celery seed, 50 bales; filthy.
Codliver oil, 35 drums; not U.S.P.
Cod oil, technical, 200 barrels; restricted use.
Coriander seed, 8 bags; filthy.
Ergot, 20 bags; excessive moisture.
Fertilizer mixture (cottonseed meal and castorseed meal), 5,000 bags; restricted use.
Gum, benzoin, 154 cases; U.S.P. test for rosin positive.
Gum, myrrh, 20 cases; deficient in alcohol soluble extractive.
Kamala powder, 45 bags; not N.F.
Mace, 20 cases; insect infestation.
Medicinal preparations, 2 cases; false therapeutic claims.
Nutmegs, technical, 703 bags; restricted use.
Rose water, U.S.P., 2 drums; excessive non volatile residue.
Sesame seed, 60 bags; filthy.

Baltimore

Week Ended June 23

Codliver oil, 5 barrels; restricted use.

Philadelphia

Week Ended June 23

Medicinal preparations, 3 cases; false therapeutic claims.

San Francisco

Week Ended June 17

Medicinal preparations, 4 pieces; false therapeutic claims.
Medicinal preparations, 50 pieces; acetanilid not declared.

Chain Store Taxes Proposed for D. C.

WASHINGTON, June 21, 1937.

The House of Representatives has amended the District of Columbia tax bill to provide for a graduated tax on chain stores. The amendment calls for a tax running from $10 a store on each retail establishment belonging to a group of more than one and not more than five stores through six brackets to a maximum tax of $550 on each store belonging to a chain of more than fifty.

The tax is similar in principle to the Louisiana chain store tax recently upheld by the Supreme Court of the United States, in that it is based on the total number of stores included under the same general management whether operated in the District of Columbia or not.

In defense of the amendment, Representative Wright Patman, of Texas, coauthor of the Robinson-Patman price-discrimination act, told the house that a recent survey of food costs in various cities showed that prices were higher in cities where the retail food business is dominated by chains.

The tax is estimated to bring in a revenue of $750,000 annually.

Coutlee Re-elected President Of Drug Advertising Group

Douglas W. Coutlee, advertising director of Merck & Co., was re-elected president of the Pharmaceutical Advertising Directors' Club at the club's annual dinner meeting in the Park Central hotel, June 24. The association also re-elected the following:—Vice-president, A. Douglas Brewer, of Ciba Pharmaceutical Products, Inc.; treasurer, Edward B. Austin, of Thomas Leeming & Co., and secretary, E. Walton Bobst, of Hoffman-La Roche, Inc.

Kentucky Pharmaceutical Association, Frankfort, non-stock, has been granted a charter. Incorporators are Morris D. Spoonamore, J. W. Gayle, William H. Fischer, Harry Frankel, W. H. Poynter, C. E. Montgomery, Emil Nehring and W. Oscar Votteler.

Ethics of Competition Discussed by Executive

(Continued from page 5)

that cutting prices for reciprocity; that is, where the purchaser reciprocates by cutting the price on something else, is equally indefensible.

Whenever a manufacturer has a lower manufacturing cost, or, what amounts to the same thing, a lower manufacturing investment, as compared with another manufacturer, or is making an unreasonably high profit, and he has good reason to believe that this is so—in fact, knows it to be so—he has a choice of two courses:—(1) To charge the competitive price and make an unreasonably high return on his investment; or (2) to cut the price to the point where he will have a reasonable return—and there seems to me there can be no question as to the ethics of the latter.

Another justifiable reason for price-cutting is where the manufacturer has good reason to believe, if he does not know, that a reduction in price will so increase the demand that compensating cost reductions can be made. This rarely happens; for to materially increase the demand, the price reduction must be comparatively large.

Substitute Products

By "substitute" product I mean one which replaces something that is on the market, but is not quite the same. One synthetic resin may replace another, but will not be identical, and in some uses the difference will be noticeable.

Usually, a substitute product is introduced at a reduced price, in which case the ethical questions are similar to ordinary price-cutting; but, where the substitution is at the same price, it must be unethical in the absence of any marked advantage. In other words, if the substitute product is not lower in cost, or a better article at the same price, or arises from a more reliable source of material, then it must be a case of overloading the market without any advantage, and from the standpoint of the public, that cannot be good and is, therefore, unreasonable. Certainly, the argument commonly used in favor of price-cutting—namely, to get some of the business, or in retaliation—are equally unreasonable as applied to substitute products.

Entering an Established Market

When this question arises, it is one of the most difficult to determine as to reasonableness. If there is an existing demand for an article, and that demand is well supplied in satisfactory quality, quantity, price, and reliability, it seems on the face of this unreasonable for another manufacturer to come into the market with increased productive capacity and endeavor to get some of the business without reduced price, a better quality, or better service in any form. Nevertheless, this is happening every day in the chemical industry, and I fully believe is detrimental to the industry as a whole, and probably, in the end, to the public.

Have we not got enough unconquered fields to absorb all of our capital and energy without going into the doubtful ground of entering an already established and well-supplied market? Yet, whenever a case of this kind comes up at home, all of us are prone to work up good and sufficient reasons for committing the act. We sharpen our pencils when estimating the cost and thus make it appear that the established manufacturer is making too large a profit, while we look with very rosy spectacles on the quality of our prospective product, and compare it with the product of the other manufacturers, viewed through our ordinary bifocal lenses, and have little difficulty in persuading our managements or boards of directors that we are appointed by some Higher Authority to take the business away from everyone else.

I think the majority of chemical industrialists will agree with me that, in nearly every case, action of this kind results in a price war, or a radical reduction in price to a point where a satisfactory return is made by no one. To me, this practice is distinctly unethical. Before we go into a well-established, well-supplied market, we should make very definite efforts to find out what the experience may be of those already in the manufacture. Is it asking too much, or should it be illegal, that competitor and prospective additional competitor should sit down and talk over a question of this kind?

Pricing of By-Products

I think it is in this field that the most unreasonable things are done; that is, the wildest mistakes are made; although perhaps there is no other field of competition where the mistakes are more rarely made for the purpose of getting advantage.

One of us starts to manufacture a product which is profitable, and we have no difficulty selling a substantial volume, but in the course of this manufacture we turn out a by-product which, let us say, is identical with the major product of others already in production and selling at a price. Ours is a by-product and may be said to have no cost. How are we going to price something which costs nothing, in competition with something which costs a substantial amount?

The natural inclination is to almost give away the by-product for the sake of being sure to get rid of it. That is not reasonable, but, from the standpoint of the other manufacturer of the prime product, is quite unethical. It makes his customers expect him to practically give away his product, and he can't do that. Is not the reasonable thing to expect the by-product manufacturer to discuss with the manufacturers in the field already, what sort of a price cut should be expected to produce the increased demand to take up the volume of the by-product, and is there any question of legality if there are no agreements made?

Manufacturing Own Requirements

The large diversified chemical company is frequently faced with this problem, and there can be no question of the reasonableness of procedure to manufacture one's own requirements of any material providing (a) the previous source is unreliable, (b) the quality is unsatisfactory, (c) the prospective cost is sufficiently lower to return a good profit on the increased investment, or (d) where the manufacturer makes use of an otherwise wasted product. But, as in other cases, these factors are difficult to determine, and one can easily mislead himself if he does not take great pains to get all the information that is available.

One of the prime considerations is the expected return on the increased investment, and no one can say what rate of return is fair, good, excesive, or entirely too low. In my experience over a number of years it would seem that a 15 percent return on the total increased investment is a fair breaking point. If the difference between price of the material available and the cost to the prospective manufacturer is sufficient to return more than 15 percent on the required investment, then it seems reasonable to proceed; but if lower than 15 percent, the benefit of the doubt should be given to the current supplier.

It will be said by some that this simply means that no business expansion can occur without a return of 15 percent on the required investment. That is not a fair deduction. I am referring only to the manufacture of one's own requirement, which, of necessity, must throw into idleness some existing plant.

Wage Rates

Generally speaking, it seems unquestionably true that fixing of wage rates is a matter between the employer and the employee, in which no one else is interested. That is as it should be, and neither ethics nor reasonableness would require any other consideration, were it not for the human failings of envy and criticism prevailing.

If a manufacturer in a given district increases his wage rates for a certain type of labor over those of his neighbors, the employees of the neighbors very promptly hear of it and become dissatisfied. It therefore seems reasonable that a manufacturer considering a change in his wage rates should, if possible, let those in his district, and his competitors elsewhere, know of the action promptly when the decision is made, thus enabling the neighbor or competitor to consider his position with respect to his own wage rates.

There does not seem to me any fixed relation between wage rates and the value of the product produced, or what is generally termed "the increment of value" due to manufacture. There should be no theoretical objection to a fixing of wage schedules for any district or locality. These schedules would be changed from time to time to meet changing conditions, such as living cost, scarcity or surplus of labor, competition, or what not. The fixing of such schedules or minimum or maximum wages by law as it was done under NRA, and as contemplated under present proposed legislation, seems an injustice not only to the employer, but also to the employee; because, if the law is obeyed, then, where scheduled rates prescribed are unjust, there can be but one result—the employer does not employ and the employee is out of a job.

Patent Jumping or Violating Patents

By this, I mean the use of patented features invented by another, whether that use be secret or open, but without the consent or approval of the patentee. American patent law and practice is so complicated that there must occur borderline cases frequently, if not continually, but ethics and reasonableness require that such procedure be not indulged in intentionally.

If we wish to be fair, reasonable, and ethical within the industry, we should take these questionable steps openly, and preferably after an attempt to adjust the question, allowing the opportunity to have the matter settled by court action or arbitration, where the differences of opinion between the owner of the patent and the user of the patent are not reconcilable.

Hiring Competitors' Employees

The ethics of this seems to me very clear, and I am glad to say that our company has taken a definite position on the subject, which may be explained as follows:—

No negotiations, looking toward the employment of the employee of a competitor, are started, unless one of the four following events has already taken place:—

1. The employee has resigned or announced his intention of resigning.
2. The employee has advised his superior of his dissatisfaction with his position.
3. The employee has advised his superior of contemplated negotiations, looking toward employment elsewhere.
4. The employee's superior has been contacted in some manner and advised of the proposed negotiations.

Dr. Foran Gets Degree At Philadelphia College

An honorary degree of Master of Pharmacy was conferred on Dr. Ralph R. Foran at the 115th commencement of the Philadelphia College of Pharmacy and Science.

Dr. Foran is director of the control laboratories of Merck & Co., Inc., Rahway, N. J. He was formerly associated with the Philadelphia College as a faculty member. In 1925 he accepted a new position in the laboratories of

Dr. Ralph R. Foran

the Powers-Weightman-Rosengarten Company of Philadelphia. That firm merged with Merck & Co., Inc., in 1927. Dr. Foran was then transferred to Rahway, N. J., to take charge of the expanded control laboratories. After many years, he continues in active direction of all control division procedure.

Others who were similarly honored by the Philadelphia College were Dr. Frederick Blumenschein, president of the Pennsylvania State Board of Pharmacy and retail pharmacist, Uniontown, Pa.; Dr. Harvey Frank, assistant professor of operative pharmacy at the Philadelphia College, and Dr. Paul N. Leech, secretary of the council on pharmacy and chemistry of the American Medical Association, in Chicago.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

WE WOULD like to discuss the matter of sales representation in the middle west with manufacturers producing raw materials used by the paint, rubber and allied trades. White and Company, Manufacturers' Direct Representatives. Offices: Akron, Ohio; Cleveland, Ohio. Established 1922.

ESTABLISHED MANUFACTURERS' agent now selling various lines to paint and lacquer trade in New England desires to add line of synthetic resins for the above territory. Will furnish complete information as to character and reputation, as well as ability to obtain satisfactory distribution. BOX 269, Oil, Paint and Drug Reporter.

SALES REPRESENTATION on a strictly commission basis for crude drugs, chemicals, essential oils and sundry items, wanted by an experienced man having successfully covered the drug, pharmaceutical, soap and chemical industry for fifteen years. BOX 270, Oil, Paint and Drug Reporter.

Containers Offered

MANUFACTURER has 800 returnable cresylic acid drums (110-gallon capacity) for sale. Reasonable offers will be entertained. BOX 272, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE. — Complete shellac cutting plant with a minimum capacity of 250 gallons per day, consisting of three 250 gallon agitator tanks, DeLaval separator, can filling machine, grinder and elevator, two gear pumps, with piping, shafting, belt, etc. Photograph on request. BOX 233, Oil, Paint and Drug Reporter.

FOR SALE.—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 231, Oil, Paint and Drug Reporter.

FROM the $10,000,000 Spreckels liquidation. —Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 500 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant, Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

Equipment Offered

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker Street, SPring 7-8955.

FOR SALE — The following used equipment: One Abbe blutergess model B; one Abbe blutergess model D; one F. J. Stokes No. 15E high speed automatic powder filler; one F. J. Stokes No. 15E special type CL powder filler with AC motor. For complete information write Cosmetics, Inc., 1514 Fulton Street, Chicago.

PEBBLE MILLS — 1-6-25-50-75 gallons; portable mixers; 1,000-gallon stainless steel jacketed kettle; No. 2 Abbe cutter. Lawler Engineering Company, Durham Avenue and L. V. R. R., Metuchen, N. J.

Equipment Wanted

WATERSTILL, ELECTRIC, five-gallon; small filter, style Kiefer monopad preferred; small bottle washing or compressed air cleaning machine; small vacuum bottle filling machine. Perfect condition imperative. Send fullest particulars. BOX 276, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, corner, one-story, fireproof, 100 x 100; concrete floor; sprinkler system; 20-foot headroom; railroad siding. Unrestricted district in Brooklyn. The R. L. Kraft Company, Woolworth Building, COrt. 7-9377.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

LARGE COMPANY, interested in supplier or formula for plastic acid-proof cements for tile tank lining. BOX 267, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMEN WANTED now selling chemicals, colors, dyestuffs, oils, waxes, solvents or similar products. Can offer attractive side line proposition; will not interfere with products you are now handling. Substantial commissions. Write for full particulars. BOX 236, Oil, Paint and Drug Reporter.

Positions Vacant

LACQUER—North Bergen manufacturer has opening for experienced man. All year permanent job. Familiar with color matching, roller and stone mills. Write detailed information as to experience. BOX 256, Oil, Paint and Drug Reporter.

CHEMIST WANTED—Eastern varnish manufacturer wants a man thoroughly experienced in formulation and manufacture of oil soluble phenolics. Give particulars regarding past experience and salary expected. BOX 257, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER or chemist experienced on solvent extraction of seeds, etc., familiar with design of equipment and recovery still. State experience, education, and salary expected. Out of city. BOX 258, Oil, Paint and Drug Reporter.

CALIFORNIA is waiting for capable paint chemist and formulator. Large Western manufacturer desires man of experience. Answers will be kept confidential. Give age, details of past performance and salary desired. BOX 271, Oil, Paint and Drug Reporter.

Positions Wanted

PRINTING INK and color expert, desires position with reliable firm in either field. Will locate anywhere. BOX 245, Oil, Paint and Drug Reporter.

VEGETABLE OIL technologist, twenty years' experience in the refining and hydrogenation of oils and manufacture of oleomargarine and shortenings. Desires connection with progressive company where careful training, thorough workmanship will show results. BOX 254, Oil, Paint and Drug Reporter.

EXECUTIVE—CHEMIST with business personality. Background of high grade technical development, large and small scale manufacturing, and home and foreign trading. Industrial finishes, inks, colors, chemicals. Experience mainly with large corporations. Would develop smaller business, promote new enterprise, or assist major executive. Very able organizer and manager. BOX 260, Oil, Paint and Drug Reporter.

EXPORT, IMPORT, domestic buyer, salesman, twenty years' unusual diversified experience, wholesale drugs, chemicals and all allied lines, desires position. BOX 244, Oil, Paint and Drug Reporter.

SALESMAN, with good following, calling on adhesive and allied trades, looking for suitable side-lines. BOX 265, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST, want position as assistant in laboratory or practical work, in which knowledge of compounding activated clays and fuller's earth will be used. Desires position with progressive producers or dealers of clays and allied products. BOX 266, Oil, Paint and Drug Reporter.

SALES EXECUTIVE, chemical engineer, fifteen years' nation-wide sales experience with commission salesmen in every large city, selling chemicals, raw materials, specialities, protective coatings, paints, lacquers, etc., to jobbers, dealers and direct to consumers. I am seeking new connection and if you have a sales problem, let's talk it over. J. S., BOX 37, Station E, Brooklyn, N. Y.

CHEMIST—Production manager, age 36, desires position as production manager or assistant; fifteen years' wide experience in both industrial and retail paints and varnishes. Now employed. Locate anywhere. BOX 268, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, experienced in formulation and making of paints. BOX 273, Oil, Paint and Drug Reporter.

CONTROL and research chemist, with three years' experience in drugs and cosmetics. BOX 274, Oil, Paint and Drug Reporter.

MANUFACTURING CHEMIST who has experience in soaps, waxes, polishes, disinfectants and water treatment plants. BOX 275, Oil, Paint and Drug Reporter.

SALES EXECUTIVE, successfully identified with chemical and allied interests for twenty years; wide experience; knows markets; possesses sound business judgment and capable of getting and building business. Christian faith, age forty-two, married, perfect health. Investigation of his background will prove enviable record of accomplishment and substantial earning power. Available immediately. BOX 277, Oil, Paint and Drug Reporter.

Services Offered

VARNISH FIRE construction. Experienced in installation and repair of Anthony nebulyte oil and gas varnish heating systems. Specialized in tangential or central fired settings with carbofrax domes. Diffuser rings and pedestals carried in stock. Otto Penzenstadler, Ridgewood Station, Brooklyn, N. Y.

Surplus Stock

CHECK INVENTORIES. — Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 101A East 19th Street, New York, STuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals., some with roller bearings.
5—Colton Stokes & Mulford Tablet Machines, ½" to 2" dia.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers. 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 32"x90" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
9—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous; Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y.
Phone: Barclay 7-0600
Plant: 335 Doremus Ave., Newark, N. J.
Cable Address: Equipment

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau, and not to this publication. When writing, give the number of the item.

Acetone, Bichromate of Potash and Soda, Soda Sulphide, Zinc Oxide, and Other Heavy Chemicals:—Agency, Buenos Aires, Argentina (3459).

Anilin Salts, Indigo, Bichromate of Soda and Potash:—Agency, Alexandria, Egypt (3471).

Barytes, Crude:—Purchase, Sydney, Australia (3424).

Candles, Sperm, for Tropical and Semi-Tropical Use:—Agency, Gibraltar (3450).

Chewing Gum, Laxative:—Agency, Cairo, Egypt (3425).

Cosmetics and Toothpaste:—Agency, Manila, P. I. (3462).

Drugs and Prepared Medicines:—Agency, San Jose, Costa Rica (3452).

Glycerin, Medicinal:—Agency, Trieste, Italy (3426).

Rosin:—Agency, The Hague, Netherlands (3463).

Shaving Soap in Cup and Stick Form:—Agency, Cairo, Egypt (3425).

Tallow, for Soap Manufacture and Other Purposes:—Purchase and Agency, Trieste, Italy (3431).

Toilet Soaps:—Agency, Manila, P. I. (3462).

Varnish or Dyes for Glassware:—Purchase, Southampton, England (3461).

White Company, paint manufacturer, Baltimore, has completed a two-story brick-and-steel warehouse containing about 20,000 square feet of floor space. The building is of the "daylight" type and of fireproof construction.

Peanut Data May Be Limited to Large Lots

WASHINGTON, June 24, 1937.

The senate committee on agriculture and forestry has reported favorably a bill permitting the Department of Agriculture to exempt small handlers in collecting and publishing its statistics on peanuts and peanut oil.

The bill (S. 1998) would amend the act passed last Spring which requires the department to prepare statistics on production and crushing of peanuts and production of peanut oil, and would provide that the department may omit collection of statistics from salters of peanuts or manufacturers of peanut products who use less than 30,000 pounds annually. As introduced by Senator Walter F. George of Georgia the bill exempted manufacturers using less than 250,000 pounds, but it was the suggestion of the Department of Agriculture that the exemption be further limited.

The new bill also authorizes the department to make its statistics of peanuts, picked or threshed, more comprehensive, and to add statistics of peanuts received and shipped to its data which under present law concern only peanuts in storage.

Smelting Workers Vote C.I.O.

Workers in the Maurer N. J. plant of the American Smelting & Refining Company voted by a four to one margin for representation in collective bargaining by a C.I.O. affiliate. The poll followed a sit-down strike participated in by more than 1,400 employees, which was called Wednesday, June 23, and the vote was held the following day, but the strikers in possession of the plant were indisposed to end the strike until the company had signed a contract with the C.I.O. unit. Officials of the company and union leaders were in conference as this report went to press.

ATTRACTIVE ITEMS

1—8 ft. x 9 ft. Oliver Filter.
1—Pfaudler 150 gallon agitated, jacketed Vacuum Still.
1—150 gallon Dopp jacketed, agitated Kettle.
8—Glass Lined Storage Tanks, 100 to 500 gallons capacity.

Miscellaneous Filters, Pulverizers, Mixers, Kettles, etc.

STEIN-BRILL CORPORATION
185 Varick St., New York, N. Y.
Walker 5-6892

Hilton-Davis Chemical Company, Cincinnati, has let contracts for the construction of another building, the thirteenth, on the property at Langdon road and Pennsylvania railroad. The company has acquired 53 acres of ground in two purchases so far this year, bringing the total acreage to 77 in one plot.

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CAUSTIC POTASH
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SODA CAUSTIC
SODA SILICO FLUORIDE
ACID SODA FLUORIDE
SODA FLUORIDE
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